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Water Resources Data for Connecticut, Water Year 1973 Part 1, Surface Water Records. Part 2, Water Quality Records. Part 3, Ground Water Records

(U.S.) Geological Survey, Hartford, CT. Water Resources Div.

1974

PB 287655

1973

Water Resources Data for Connecticut Water Year 1973

Part 1. Surface Water Records

Part 2. Water Quality Records

Part 3. Ground Water Records

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UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CT-73-1

Prepared in cooperation with the State of Connecticut
and with other agencies

CALENDAR FOR WATER YEAR 1973

1972

OCTOBER

S	M	T	W	T	F	S
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NOVEMBER

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1973

JANUARY

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JUNE

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AUGUST

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SEPTEMBER

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Water resources data for the 1973 water year for Connecticut consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of wells and springs. This report contains discharge records for 64 gaging stations; water water quality for 23 gaging stations, and water levels for 25 observation wells. Also included are 104 low-flow and 58 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U.S. U.S. Geological Survey and cooperating local, State, and Federal agencies in Connecticut.

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Water Resources Data for Connecticut Water Year 1973

Part 1. Surface Water Records

Part 2. Water Quality Records

Part 3. Ground Water Records

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DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CT-73-1

Prepared in cooperation with the State of Connecticut
and with other agencies

Prepared in cooperation with

State Department of Environmental Protection
State Department of Transportation
Town of Fairfield, Conservation Commission
City of Hartford, Department of Public Works
City of New Britain, Board of Water Commissioners
City of Torrington, Engineering Department
Corps of Engineers, U.S. Army
Environmental Protection Agency

Copies of this report may be obtained from
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Hartford, Connecticut 06101

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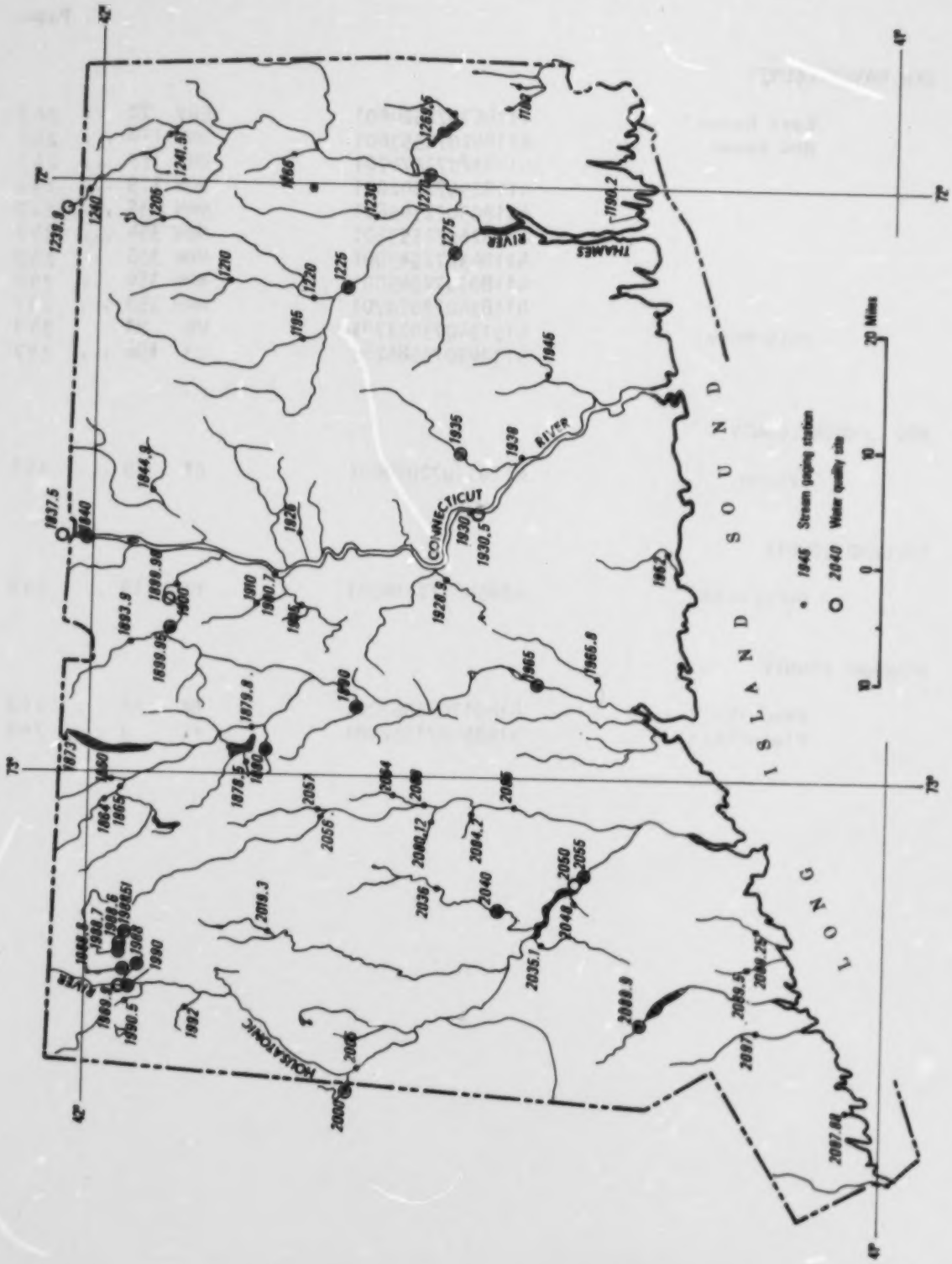

FIGURE 1.--MAP OF CONNECTICUT SHOWING LOCATION OF STREAM GAGING AND WATER QUALITY STATIONS

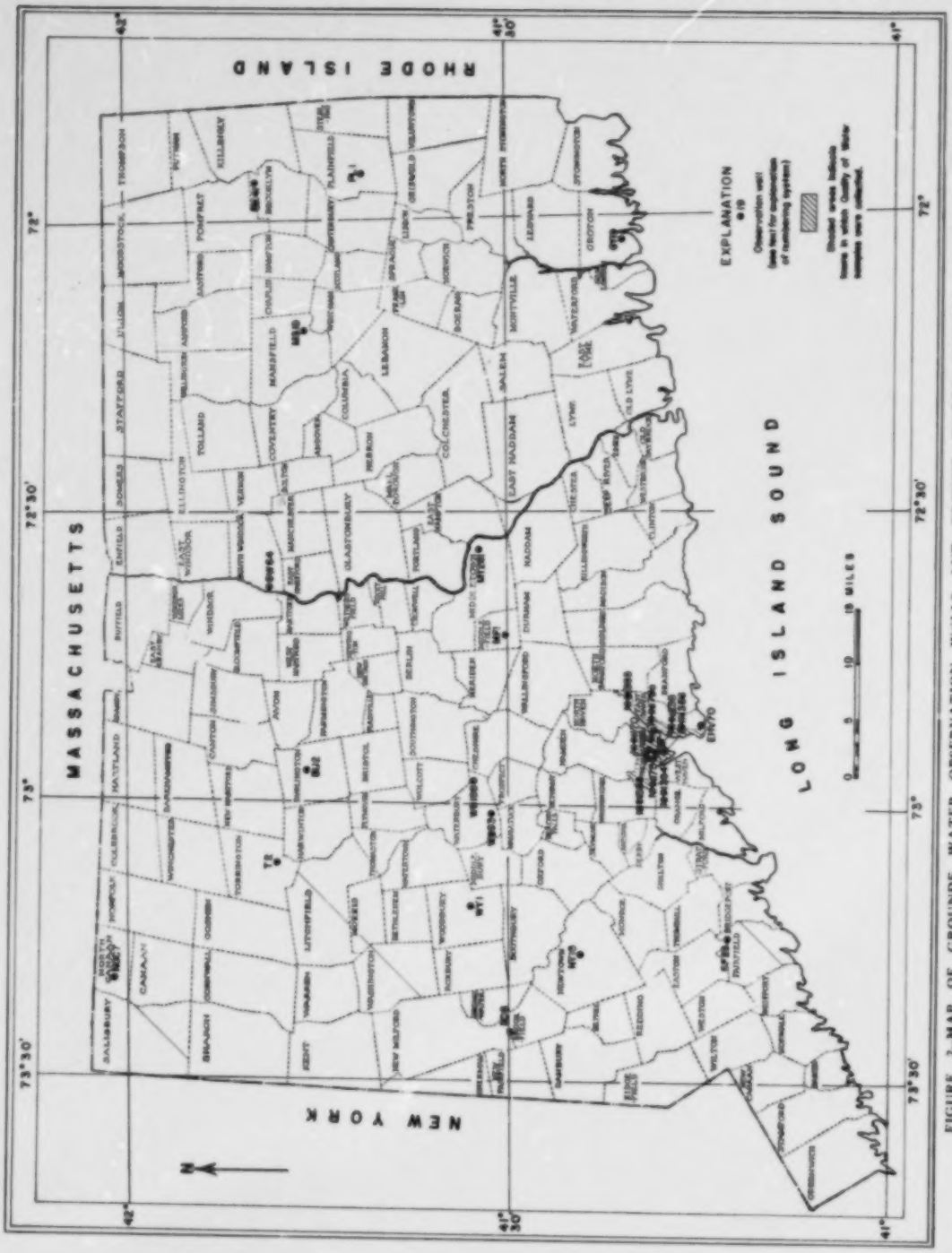

FIGURE 2--MAP OF GROUNDE WATER OBSERVATION WELLS AND GROUND WATER QUALITY SAMPLING AREAS
FIGURE 2

WATER RESOURCES DATA FOR CONNECTICUT, 1973

Part 1. Surface-Water Records
Part 2. Water-Quality Records
Part 3. Ground-Water Records

INTRODUCTION

Water resources data for the 1973 water year for Connecticut including records of streamflow or reservoir storage at gaging stations and partial-record stations, and records of water-quality data on the chemical and physical characteristics of surface and ground water, and ground-water levels, are given in this report. In Part 1, records are included for 66 gaging stations, of which 63 are streamflow discharge stations and 3 are stage only streamflow stations; also are included records for 104 low-flow partial-record stations and 59 crest-stage partial-record stations. Locations of gaging stations are shown in figure 1. In Part 2, data on the quality of surface water (chemical and temperature) were collected from designated sampling sites at predetermined intervals such as once daily, monthly, or less frequently, and at two sites data were recorded on punched paper tape at 60-minute intervals. Records are given for 25 sampling stations on which 21 are continuous record stations, none are partial-record stations, and 4 are miscellaneous sites. Records of chemical analyses also are given for 4 ground-water sites. Locations of water-quality stations are shown on figures 1 and 2. A few pertinent stations (not included above) in bordering States are also included in this report. In Part 3, data on ground-water levels were collected at 26 sites. Location of the observation well sites are shown on figure 2. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of John A. Baker, district chief. These data represent that portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Connecticut.

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year, and ground-water records beginning with the 1967 water year have been similarly released in conjunction with the streamflow records. These reports are for limited distribution and are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and since then are in a 5-year series. Records of chemical quality, water temperatures, and suspended sediment have been published since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States."

Through December 31, 1955, ground-water levels were published in an annual series of U.S. Geological Survey water-supply papers. The calendar years 1956 through 1960 span a transition period wherein the reports were converted from presentation of only one year's data to presentation of five year's data. More information is given under the headings "Publications" on pages 15, 20, and 21.

COOPERATION

The U.S. Geological Survey and organizations of the State of Connecticut have had cooperative agreements for the systematic collection of streamflow records since 1928, for water-quality records since 1952, and ground-water records since 1934. Organizations that assisted in collecting data through cooperative agreements with the Survey are:

State Department of Environmental Protection, Dan W. Lufkin, commissioner.

State Department of Transportation, A. Earl Wood, commissioner.

Town of Fairfield, Conservation Commission, Thomas J. Steinke, director.

City of Hartford, Department of Public Works, George E. Heppner, director.

City of New Britain, Board of Water Commissioners, John A. McManus, director Board of Water Commissioners.

City of Torrington, Francis Sattin, director, Public Works.

Assistance in the form of funds were given by the Corps of Engineers, Department of the Army, in collecting records for eight gaging stations published in this report. Funds were furnished by the Environmental Protection agency collecting water-quality data for the Connecticut River at Thompsonville, Connecticut.

The following organizations aided in collecting records:

Metropolitan Water Bureau of Hartford; city of Waterbury; Massachusetts Department of Natural Resources; Connecticut Light and Power Co.; city of Wallingford; Farmington River Power Co.; Hartford Electric Light Co.

Organizations that supplied data are acknowledged in station descriptions.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System of units (SI) on page 24.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons.

Bed material is the shifting portion of fragmented material of which the streambed is composed.

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, or about 646,000 gallons, and represents a runoff of approximately 0.0372 inch from 1 square mile.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 milliliters is determined by the immediate incubation membrane filter method.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Total capacity is the volume of water which may be stored in a reservoir or lake below the crest of the spillway and includes usable capacity and dead storage. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Usable capacity is the volume of water which may be stored in a reservoir or lake between the spillway crest and the lowest level drainable by gravity.

Usable contents is the volume of water in a reservoir or lake between the lowest level drainable by gravity and any higher elevation above or below the spillway crest.

Control designated a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage" although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharges are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with snythetic detergent compounds.

Micrograms per liter (ug/l, UG/L) is a unit expressing the concentration of chemical constituents in solution as the weight (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams or micrograms per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1, p. 6.

Partial-record station is a particular site where limited streamflow or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling) (Guy, 1969).

Particle-size classification used in this report agrees with recommendations made by the Americal Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of Analysis
Clay	0.00024 - 0.004	Sedimentation.
Silt	.004 - .062	Sedimentation
Sand	.062 - 2.0	Sedimentation or sieve.
Gravel	2.0 - 64.0	Sieve.

The particle-size distribution given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis (Guy, 1969).

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per liter to milliequivalents per liter

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*...	0.11119	Iodide (I^{-1}).....	0.00788
Ammonia as NH_4^{+1}...	.05544	Iron (Fe^{+3})*.....	.05372
Barium (Ba^{+2}).....	.01456	Lead (Pb^{+2})*.....	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*...	.14411
Bromide (Br^{-1}).....	.01251	Magnesium (Mg^{+2})..	.08226
Calcium (Ca^{+2}).....	.04990	Manganese (Mn^{+2})*.	.03640
Carbonate (CO_3^{-2})..	.03333	Nickel (Ni^{+2})*....	.03406
Chloride (Cl^{-1})....	.02821	Nitrate (NO_3^{-1})...	.01613
Chromium (Cr^{+6})*...	.11539	Nitrite (NO_2^{-1})...	.02174
Cobalt (Co^{+2})*.....	.03394	Phosphate (PO_4^{-3}).	.03159
Copper (Cu^{+2})*.....	.03148	Potassium (K^{+1})...	.02557
Cyanide (CN^{-1}).....	.03844	Sodium (Na^{+1}).....	.04350
Fluoride (F^{-1}).....	.05264	Strontium (Sr^{+2})*.	.02283
Hydrogen (H^{+1}).....	.99209	Sulfate (SO_4^{-2})...	.02082
Hydroxide (OH^{-1})...	.05880	Zinc (Zn^{+2})*.....	.03060

*Constituent reported in micrograms per liter; multiply by factor and divide results by 1,000.

Table 2.--Factors for conversion of sediment concentration in milligrams per liter to parts per million*
(All values calculated to three significant figures)

Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-634	1.39
8.05- 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-506	1.31	700-715	1.44
88.5 -104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 -120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 -136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 -152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 -169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170- -185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 -200	1.12	395-409	1.25	604-617	1.38		

*Based on water density of 1.000 g/ml and a specific gravity of sediment of 2.65.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that is discharged in a given time. It is computed by multiplying discharge times mg/l times 0.0027.

Total sediment discharge or total sediment load is the sum of the suspended-sediment discharge and the bedload discharge. It is the total quantity of sediment, as measured by dry weight or volume, that is discharged during a given time (Colby and Hembree, 1955).

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/l).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the water year.

Tons per acre-foot indicates the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 1.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour day.

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixture in the reservoir. See also table for converting English Units to International Units on p. 24.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in reference to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Radiochemical program is a network of regularly sampled water quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Radioisotopes are isotope forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the itotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights 35 and 37, with the natural mixture having atomic weight about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron (Rose, 1966). There are 275 isotopes of the 81 stable elements in addition to over 800 radioactive isotopes.

Radiosotopes that are determined in this program are those of uranium in micrograms per liter, radium as radium-226 in picocuries per liter, gross beta radiation as strontium/yttrium-90 in picocuries per liter, and gross alpha radiation as micrograms of uranium equivalent per liter.

A picocurie (PC/L, pCi/l) is one millionth of the amount of radioactivity represented by a microcurie, which is the quantity of radiation represented by one millionth of a gram of radium-226. A picocurie of radium results in 2.22 disintegration per minute.

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first main-stream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 01188000, which appears just to the left of the station name includes the 2-digit part number "01" plus the 6-digit downstream order number "188000." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in

Part 1 (Basins from Maine to Connecticut). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

WELL NUMBER

The well numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last digit is a sequential number for wells within a 1-second grid. The system provides the geographic location of the well and a unique number for each well. See figure 3 below.

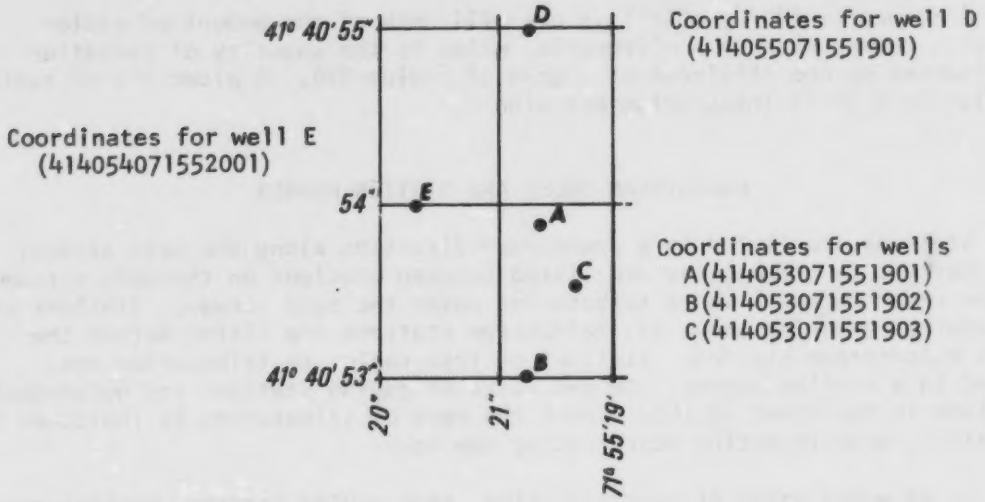

Figure 3. System for numbering wells (latitude and longitude)

Wells in Connecticut also have been assigned numbers based on the town in which a well is located. The numbers based on location within towns include a letter symbol derived from the town name and the serial numbers based on location within towns are used to identify the wells shown on figure 2, p. XIII.

PART 1. SURFACE WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 15-, 30- or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the U.S. Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic

Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height, if it is significant, are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge (or contents), it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the "EXTREMES" paragraph. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for for any canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

Data collected at partial-record stations are given in two tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations.

Accuracy of data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Connecticut for the period October 1960 to September 1965 are in Water-Supply Paper 1901.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station

lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Connecticut are compiled in Water-Supply Paper 1301 through September 1950, and in 1701 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurement, gage-height records, and rating tables, is on file in the district office. Also most gaging station records are available in computer-usable form and many statistical analyses have been made.

PART 2. WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents and sediment loads in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations. For ground-water stations, no descriptive statements are given; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water.

Water-quality information is presented for chemical quality, biological, microbiological, water temperature, and fluvial sediment. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, sodium adsorption ratio, specific conductance, and pH. The biological information includes qualitative and quantitative analyses of plankton, bottom organisms, and particulate inorganic and amorphous matter present. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous temperature recorder furnished information from which daily minimums and maximums are obtained. Fluvial-sediment information is given for suspended-sediment discharges and concen-

trations and for particle-size distribution of suspended sediment and bed material.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began reporting data for chemical constituents and concentrations of suspended sediment in milligrams per liter (mg/l) and water temperatures in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per liter. Temperatures reported in degrees Celsius may be converted to degrees Fahrenheit by using Table 3, p. 18.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per liter instead of milligrams per liter. (See "Definitions of Terms," p. 3 and table for converting English Units to SI Units, p.24)

Solutes

The methods of collecting and analyzing water samples for determining the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman (1970). One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals across the channel to determine accurately the solute load.

For chemical-quality stations equipped with noncontinuous-digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the U.S. Geological Survey district office at the address given on the back of the title page of this report.

Ground-water quality does not change significantly during short periods of time; infrequent sampling and analysis of ground water adequately define ground-water quality at a given site. Water samples from wells are analyzed individually.

Field-measured analyses represent conditions only at the time of sampling. The accuracy of field-measured values for pH and specific conductance which use the same analytical technique as the laboratory may be slightly higher than the laboratory analyses because some changes in parameter occur during shipping and storage time in the laboratory.

Analyses representing laboratory measurements are indicated by the number "2" in the column marked TYPE. A field analysis is indicated by the number "3". A sample composited over a 6-month period is indicated by the number "4". If the column marked TYPE does not appear in a table, then it is understood to be principally a laboratory analysis.

Table 3.--Degrees Celsius (°C) to degrees Fahrenheit (°F)*
(Temperature reported to nearest 0.5°C)

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

*C = 5/9 (°F - 32) or °F = 9/5 (°C) + 32.

Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for surface-water stations. For daily stations, the water temperatures are

taken about the same time each day when sample is collected. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly averages.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross-section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the sub-divided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the sub-divided day method. For periods when no samples are collected, daily loads of suspended sediment are estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

Suspended-sediment samples are collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

Publications

The annual series of water-supply papers that contain information on quality of surface water in Connecticut are listed below:

Water year	WSP No.	Water year	WSP No.
1953	1290	1962	1941
1954	1350	1963	1947
1955	1400	1964	1954
1956	1450	1965	1961
1957	1520	1966	1991
1958	1571	1967	2011
1959	1641	1968	2091
1960	1741	1969	a2143
1961	1881	1970	a2151
		1971	a2161

PART 3. GROUND-WATER RECORDS

Abbreviations

Standard abbreviations are used in the well description. The most commonly used abbreviations and their explanations are as follows:

diam -- diameter
eom -- end of month
ft -- foot or feet
in -- inch or inches
lat -- latitude
long -- longitude
lsd -- land-surface datum
msl -- mean sea level
MP -- measuring point
U.S. -- United States; abbreviated only when followed by name of a government agency.

Water-level Measurements

Water levels are in feet below land-surface datum except in the city of New Haven, where they are above or below mean sea level. A minus sign before the measurement indicates that it is below mean sea level. The screened interval open to the aquifer is recorded in ft.

a In press.

Beginning in 1956 ground-water levels in Connecticut were published in a series of bulletins by the Connecticut Water Resources Commission. Data contained in this series was on a calendar year basis, covering the years 1956 to 1966, inclusive.

Beginning in 1967 ground-water levels in Connecticut were published in the annual series of reports Water Resources Data for Connecticut. Data in this series of reports is on a water-year basis.

Publications

The annual series of water-supply papers that contain information on ground-water levels in Connecticut are listed below:

Calendar year	WSP No.	Calendar year	WSP No.
1935	777	1947	1096
1936	817	1948	1126
1937	840	1949	1156
1938	845	1950	1165
1939	886	1951	1191
1940	906	1952	1221
1941	936	1953	1265
1942	944	1954	1321
1943	986	1955	1404
1944	1016	1956-57	1537
1945	1023	1958-62	1782
1946	1071	1963-67	1977

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_____1953, Accuracy of sediment size analyses made by the bottom-withdrawal-tube method: Rept. 10.

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Table 4 --Factors for converting English units to International System (SI) units

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
	Length	
inches (in)	25.4	millimeters (mm)
	.0254	meters (m)
feet (ft)	.3048	meters (m)
yards (yd)	.9144	meters (m)
rods	5.0292	meters (m)
miles (mi)	1.609	kilometers (km)
	Area	
acres	4047	square meters (m^2)
	.4047	*hectares (ha)
	.4047	square hectometer (hm^2)
	.004047	square kilometers (km^2)
square miles (mi^2)	2.590	square kilometers (km^2)
	Volume	
gallons (gal)	3.785	**liters (l)
	3.785	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons (10^6 gal)	3785	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	28.32	cubic decimeters (dm^3)
	.02832	cubic meters (m^3)
cfs-day (ft^3/s-day)	2447	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1233	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	28.32	liters per second (l/s)
	28.32	cubic decimeters per second (dm^3/s)
	.02832	cubic meters per second (m^3/s)
gallons per minute (gpm)	.06309	liters per second (l/s)
	.06309	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day (mgd)	43.81	cubic decimeters per second (dm^3/s)
	.04381	cubic meters per second (m^3/s)
	Mass	
ton (short)	.9072	tonne (t)

*The unit hectare is approved for use with the International System (SI) for a limited time. See NBS Special Bulletin 330, p.15, 1972 edition.

**The unit liter is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.

PART 1. SURFACE-WATER RECORDS

PAWCATUCK RIVER BASIN

01118300 Pendleton Hill Brook near Clarks Falls, Conn.

LOCATION.--Lat 41°28'29", long 71°50'05", New London County, on left bank just upstream from twin culverts on Grindstone Hill Road, 0.1 mile (0.2 km) west of State Highway 49 in the township of North Stonington, 1.6 miles (2.6 km) northwest of Clarks Falls, and 3.4 miles (5.5 km) northeast of village of North Stonington.

DRAINAGE AREA.--4.02 mi^2 (10.41 km^2).

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 152.90 ft (46.604 m) above mean sea level.

AVERAGE DISCHARGE.--15 years, 8.46 ft^3/s (0.240 m^3/s), 28.58 in/yr (726 mm/yr).

EXTREMES.--Current year: Maximum discharge, 182 ft^3/s (5.15 m^3/s) Dec. 6, gage height, 4.42 ft (1.347 m); minimum, 0.80 ft^3/s (0.023 m^3/s) Aug. 15, gage height, 0.90 ft (0.274 m).

Period ofrecord: Maximum discharge, 344 ft^3/s (9.74 m^3/s) Mar. 18, 1968, gage height, 5.91 ft (1.801 m); minimum, 0.02 ft^3/s (0.001 m^3/s) Sept. 7-11, 1964, Sept. 12, 13, 1965.

PEAK DISCHARGE.--(BASE, 70 ft^3/s):

DATE	TIME	G.HT	DISCHARGE
11-20	0800	3.25	88
12-06	2330	4.42	182
02-02	2400	4.26	167
04-02	0330	3.12	79

REMARKS.--Records excellent.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	4.8	21	39	13	7.7	28	13	8.5	16	2.0	2.2
2	1.4	5.9	18	30	41	8.1	47	12	7.6	8.4	2.4	2.1
3	1.3	7.3	15	22	93	8.4	38	11	6.5	5.9	3.3	2.9
4	1.2	6.7	13	23	40	20	31	11	6.7	5.2	2.7	2.1
5	1.1	5.5	27	25	29	20	41	10	6.4	6.2	2.1	1.8
6	1.2	4.7	48	19	23	14	29	9.4	5.7	5.5	1.7	2.6
7	24	4.3	87	14	21	12	22	8.9	5.4	3.9	1.5	3.3
8	16	14	42	10	20	16	22	8.2	4.8	3.2	1.4	2.2
9	8.5	44	47	9.0	20	18	21	22	5.0	2.7	1.3	1.8
10	5.2	27	36	8.7	16	14	34	27	4.1	2.4	1.2	1.6
11	3.6	14	28	8.5	13	12	33	23	3.5	2.4	1.2	1.5
12	3.5	15	22	8.1	12	12	23	19	3.2	3.9	1.3	1.4
13	3.4	12	23	7.5	11	11	19	16	4.3	3.0	1.0	1.3
14	2.8	27	21	7.2	10	10	17	13	5.3	2.3	.89	1.5
15	4.0	37	20	7.9	24	9.5	15	12	3.7	14	28	5.9
16	3.5	24	31	8.1	20	9.3	14	13	3.2	12	18	3.7
17	4.4	18	21	8.5	16	14	13	11	3.0	6.0	9.1	2.5
18	3.4	16	17	8.9	15	15	12	12	2.9	3.6	4.9	2.9
19	4.4	13	15	9.0	11	12	12	10	2.9	2.8	3.4	3.6
20	4.9	57	19	19	11	10	11	13	2.8	2.4	2.8	2.7
21	4.0	37	20	14	12	9.2	10	44	2.8	9.7	2.5	2.2
22	3.5	25	36	10	12	8.8	9.9	28	3.4	9.1	2.7	2.0
23	3.3	19	34	29	11	8.5	8.7	19	5.0	5.1	2.9	7.7
24	3.1	17	29	21	9.7	8.1	11	17	3.9	3.3	2.3	6.1
25	2.9	15	23	14	8.9	7.7	9.4	15	3.2	2.6	2.0	4.4
26	2.7	33	20	11	8.7	15	20	12	3.0	3.5	1.8	3.4
27	2.6	29	20	11	7.9	15	27	11	8.0	4.5	1.7	2.9
28	2.4	21	18	20	7.5	11	26	14	14	3.8	1.7	2.6
29	2.9	19	16	35	------	9.4	20	17	9.1	2.9	1.7	2.5
30	2.2	16	15	29	------	8.8	16	12	15	2.5	1.5	2.3
31	2.4	------	16	16	------	9.2	------	9.7	------	2.2	1.4	------
TOTAL	147.3	592.2	818	502.6	538.8	363.7	654.0	471.2	162.7	161.3	112.39	85.7
MEAN	4.75	19.7	26.4	16.2	19.2	11.7	21.8	15.2	5.42	5.20	3.63	2.86
MAX	24	57	87	39	93	20	47	44	15	16	28	7.7
MIN	1.1	4.3	13	7.2	7.6	7.7	8.4	8.2	2.8	2.2	.89	1.3
CFSM	1.18	4.90	6.57	4.03	4.78	2.91	5.42	3.74	1.35	1.29	.90	.71
IN.	1.36	5.48	7.57	4.65	4.97	3.37	6.05	4.36	1.51	1.49	1.04	.79

CAL YR 1972 TOTAL 5,072.36 MEAN 13.9 MAX 120 MIN .67 CFSM 3.46 IN 46.94
WTR YR 1973 TOTAL 4,597.84 MEAN 12.6 MAX 93 MIN .89 CFSM 3.13 IN 42.58

01119020 Poquonock River near Groton, Conn.

LOCATION.--Lat 41°19'00", long 72°03'43", New London County, at pier on east side of Avery Point, University of Connecticut, 2 miles (3 km) south of Groton, at mouth of Poquonock River in Long Island Sound.

PERIOD OF RECORD.--January 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2.02 ft (0.616 m) below mean sea level. Gage-height record converted to elevation above or below (-) mean sea level for publication.

REMARKS.--Stage data in feet at 15 minute intervals available upon request.

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation	3.84	3.50	3.35	4.71	2.76	2.67	2.53	2.46	2.93
high tide	Date	29	12	17	4	20	29	27	22	15
	Time	0830	0400	1945	2015	2400	2015	1900	1530	1030
Minimum	Elevation	-2.08	-1.93	-1.74	-2.01	-1.56	-2.01	-1.88	-1.60	-1.45
low tide	Date	6	19	8	16	30	3	2	27	26
	Time	1615	0415	0530	0245	0130	0445	0445	0200	0245

NOTE.--Time shown is eastern standard.

01119500 Willimantic River near South Coventry, Conn.

LOCATION.--Lat 41°45'02", long 72°15'58", Tolland County, on left bank 700 ft (213 m) upstream from bridge on State Highway 31, 1 mile (2 km) downstream from Mill Brook, 2.4 miles (3.9 km) southeast of South Coventry, 2.8 miles (4.5 km) upstream from Hop River, and 6.3 miles (10.1 km) upstream from mouth.

DRAINAGE AREA.--122 mi^2 (316 km^2).

PERIOD OF RECORD.--September 1931 to current year.

GAGE.--Water-stage recorder. Datum of gage is 239.05 ft (72.862 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE(adjusted for storage since water year 1961).--42 years, 207 ft^3/s (5.862 m^3/s, 23.04 in/yr (585 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,560 ft^3/s (101 m^3/s) Feb. 3, gage height, 9.82 ft (2.993 m); minimum 17 ft^3/s (0.48 m^3/s) Sept. 4, gage height, 3.00 ft (0.914 m); minimum daily, 29 ft^3/s (0.82 m^3/s) Aug. 26.

Period of record: Maximum discharge, 24,200 ft^3/s (685 m^3/s) Aug. 19, 1955, gage height, 18.66 ft (5.688 m), from floodmark, from rating curve extended above 3,600 ft^3/s (102 m^3/s) on basis of computation of flow over dam at gage height 12.2 ft (3.72 m), and contracted opening measurement of peak flow; minimum, 2.0 ft^3/s (0.057 m^3/s) Aug. 21, 22, 1949, gage height, 1.60 ft (0.488 m); minimum daily, 2.5 ft^3/s (0.071 m^3/s) Sept. 18, 1949.

PEAK DISCHARGE.--(BASE, 1,100 ft^3/s):

DATE	TIME	G.HT	DISCHARGE
12-07	0500	8.15	1,850
01-01	2000	7.47	1,380
02-03	0900	9.82	3,560

REMARKS.--Records excellent. Flow regulated by Staffordville Reservoir (see p. 40). High flow regulated by six flood detention reservoirs in Middle River basin (combined usable flood capacity 305,400,000 ft^3) (8,649,000 m^3). See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	132	553	1,140	251	164	293	325	248	760	49	30
2	52	123	494	1,130	554	167	708	293	248	462	71	36
3	55	224	380	736	3,170	190	568	283	208	283	135	38
4	53	205	344	581	1,450	272	501	310	184	210	107	32
5	52	171	742	552	922	313	740	278	182	230	77	30
6	53	133	831	461	475	260	549	255	170	258	62	127
7	416	127	1,670	330	537	238	432	238	162	198	52	240
8	395	157	451	359	477	444	399	223	154	150	45	112
9	221	530	1,330	262	450	752	375	298	139	133	43	76
10	155	353	843	229	380	522	576	333	125	108	40	60
11	122	254	567	223	323	406	658	402	114	99	40	53
12	111	224	538	211	240	393	432	474	108	96	45	46
13	130	159	529	201	248	355	408	393	154	84	39	41
14	118	402	525	137	232	323	355	320	255	79	36	40
15	115	805	454	233	272	305	323	293	186	103	51	101
16	111	417	455	214	284	295	313	338	142	101	52	89
17	123	308	375	214	232	411	330	303	122	87	45	65
18	107	295	330	220	214	570	293	298	108	74	43	206
19	132	224	312	235	214	444	285	285	137	67	45	310
20	94	536	510	424	222	360	265	258	99	61	43	171
21	89	557	330	348	222	323	248	624	98	127	48	115
22	84	354	530	292	242	295	238	519	131	148	45	86
23	74	336	706	631	276	270	240	387	146	107	36	136
24	86	265	611	641	202	253	313	325	144	73	32	142
25	86	242	571	350	175	235	278	265	118	68	30	119
26	93	574	491	250	176	343	338	260	99	70	29	95
27	91	535	513	230	178	478	453	243	108	67	34	75
28	92	459	451	242	157	305	576	278	176	74	64	63
29	114	393	371	270	------	275	428	333	174	57	38	54
30	123	373	325	260	------	256	384	273	606	59	33	46
31	112	------	307	232	------	258	------	273	------	54	45	------
TOTAL	5,063	10,231	17,537	12,313	13,180	10,379	12,395	10,000	6,987	6,587	1,554	2,880
MEAN	163	336	566	398	467	335	413	323	166	148	50.1	96.0
MAX	416	805	1,670	1,140	3,170	792	740	624	608	760	135	310
MIN	52	122	330	137	157	164	235	223	98	54	29	30
CFSM †	.98	2.75	4.63	3.26	3.83	2.74	3.41	2.65	1.37	1.22	.41	.79
IN. †	1.12	3.13	5.37	3.76	4.32	3.19	3.81	3.07	1.53	1.41	.48	.89

CAL YR 1972 TOTAL 122,302 MEAN 335 MAX 2,560 MIN 47 CFSM 2.75 IN 37.51
WTR YR 1973 TOTAL 103,159 MEAN 283 MAX 3,170 MIN 29 CFSM 2.34 IN 31.71

† Adjusted for change in reservoir contents (Staffordville Reservoir was full all year).

01120500 Safford Brook near Woodstock Valley, Conn.

LOCATION.--Lat 41°55'35", long 72°03'37", Windham County, on right bank at downstream side of bridge on Hopkins Road, 0.3 mile (0.5 km) downstream from Bradford Brook, 0.3 mile (0.5 km) upstream from mouth, 1.2 miles (1.9 km) southeast of Woodstock Valley, and 2 miles (3 km) southwest of West Woodstock.

DRAINAGE AREA.--4.15 mi^2 (10.75 km^2).

PERIOD OF RECORD.--June 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 522.92 ft (159.386 m) above mean sea level.

AVERAGE DISCHARGE.--23 years, 7.93 ft^3/s (0.225 m^3/s), 25.95 in/yr (659 mm/yr).

EXTREMES.--Current year: Maximum discharge, 578 ft^3/s (16.4 m^3/s) Feb. 2, gage height, 6.26 ft (1.908 m); minimum, 0.24 ft^3/s (0.007 m^3/s) Oct. 5, 6, gage height, 1.39 ft (0.424 m).

Period of record: Maximum discharge, 1,000 ft^3/s (28.3 m^3/s) Aug. 19, 1955, gage height, 6.68 ft (2.036 m). No flow Aug. 30, 31, Sept. 6-12, 1965.

PEAK DISCHARGE.--(BASE, 150 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-09	0200	4.19	159	01-01	0630	4.58	212
11-14	1800	4.23	163	02-02	2130	6.26	578
11-26	1300	4.57	210	06-30	1200	4.18	158
12-06	2030	5.40	355				

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.46	.98	44	125	5.9	3.8	11	6.5	5.2	28	1.6	1.8
2	.36	3.7	23	36	121	4.6	57	5.7	5.0	9.6	2.7	1.3
3	.28	16	16	18	133	5.1	22	5.5	4.1	6.4	3.7	1.1
4	.25	6.8	14	16	22	18	23	6.7	3.7	5.1	3.1	.90
5	.24	3.6	41	16	11	12	45	5.6	3.7	13	1.5	.90
6	.24	2.6	105	12	8.2	8.7	18	4.9	3.3	9.5	1.0	2.3
7	51	1.9	70	10	6.7	7.8	11	4.4	3.2	5.8	.90	3.5
8	17	23	25	4.9	6.7	26	10	4.1	3.1	4.1	.80	3.2
9	3.6	76	45	3.8	8.4	22	9.5	8.1	2.9	3.6	.75	1.4
10	1.3	19	27	3.4	6.4	12	40	10	2.6	3.0	.70	1.5
11	.83	10	20	3.2	4.3	9.3	26	17	2.3	2.7	.70	1.1
12	.86	9.7	14	3.1	3.5	9.6	14	17	2.2	2.3	.75	.65
13	.97	6.5	19	3.0	3.1	8.7	10	9.2	4.7	2.2	.65	.64
14	.69	88	17	3.0	3.0	7.4	8.5	6.9	6.0	2.2	.65	.79
15	.93	50	14	3.3	5.2	6.9	7.8	5.7	4.0	3.4	2.0	2.6
16	.68	18	14	3.5	5.0	6.7	6.8	7.2	3.3	3.1	1.7	1.6
17	.60	11	12	4.5	4.9	33	6.2	6.4	2.8	2.4	1.5	1.0
18	.56	8.2	10	5.0	3.6	37	6.4	5.6	2.5	2.2	1.3	10
19	.83	6.3	9.4	6.0	3.2	15	6.1	5.3	2.7	2.0	1.1	7.1
20	.77	72	9.7	23	3.3	10	5.3	4.7	2.9	1.9	1.0	3.5
21	.60	25	9.4	8.2	4.0	8.4	4.8	38	2.8	2.8	1.0	1.8
22	.57	12	25	6.9	4.6	7.4	4.8	13	3.6	2.5	.95	1.3
23	.55	7.6	26	52	4.2	6.4	4.8	8.1	4.5	2.2	.90	2.2
24	.55	6.3	21	15	3.5	6.3	7.9	6.6	4.0	2.0	.90	2.2
25	.52	6.0	18	8.2	3.4	6.0	6.1	5.5	3.7	1.8	.85	2.0
26	.49	86	18	6.2	2.8	11	11	5.1	3.4	2.1	.80	1.3
27	.49	36	20	5.7	3.4	10	20	4.8	4.4	2.1	.80	.93
28	.43	16	15	6.2	3.7	7.5	24	7.8	7.1	1.9	1.0	.85
29	3.8	13	12	7.3	------	6.4	12	8.9	7.5	2.1	.90	.78
30	2.8	11	10	9.7	------	5.9	8.3	5.7	74	1.9	1.1	.68
31	1.5	------	15	5.5	------	6.1	------	6.2	------	1.6	1.3	------
TOTAL	95.05	630.18	738.5	433.6	398.0	345.0	447.3	256.0	185.2	135.5	38.60	60.92
MEAN	3.07	21.0	23.8	14.0	14.2	11.1	14.9	8.26	6.17	4.37	1.25	2.03
MAX	51	86	105	125	133	37	57	38	74	28	3.7	10
MIN	.24	.98	9.4	3.0	2.8	3.8	4.8	4.1	2.2	1.6	.65	.64
CFSM	.74	5.06	5.73	3.37	3.42	2.67	3.59	1.99	1.49	1.05	.30	.49
IN.	.85	5.65	6.62	3.89	3.57	3.09	4.01	2.29	1.66	1.21	.35	.55

CAL YR 1972 TOTAL 6,906.07 MEAN 13.4 MAX 289 MIN .21 CFSM 3.23 IN 43.98
WTR YR 1973 TOTAL 3,763.85 MEAN 10.3 MAX 133 MIN .24 CFSM 2.48 IN 33.74

01121000 Mount Hope River near Warrenville, Conn.

LOCATION.--Lat 41°50'37", long 72°10'10", Windham County, on left bank 250 ft (76 m) downstream from Knowlton Brook, 700 ft (213 m) upstream from bridge on State Highway 89, 1.8 miles (2.9 km) south of Warrenville, and 3.2 miles (5.1 km) southwest of Ashford.

DRAINAGE AREA.--28.6 mi^2 (74.1 km^2).

PERIOD OF RECORD.--July 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 335.57 ft (102.282 m) above mean sea level.

AVERAGE DISCHARGE.--33 years, 48.9 ft^3/s (1.385 m^3/s), 23.22 in/yr (590 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,340 ft^3/s (Feb. 3, gage height, 7.45 ft (2.271 m); minimum, 2.8 ft^3/s (0.079 m^3/s) Aug. 31; gage height, 1.32 ft (0.402 m).

Period of record: Maximum discharge, 5,590 ft^3/s (158 m^3/s) Aug. 19, 1955, gage height, 10.41 ft (3.173 m), from rating curve extended above 890 ft^3/s (25.2 m^3/s) on basis of contracted-opening measurement of peak flow; minimum 0.15 ft^3/s (0.004 m^3/s) Aug. 25, 1957; minimum gage height, 0.99 ft (0.302 m) Aug. 26-29, 1949. Flood of September 1938 reached a stage of about 14.5 ft (4.42 m), from floodmarks.

PEAK DISCHARGE.--(BASE, 400 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-09	0700	5.06	442	12-07	0230	6.01	678
11-14	2230	5.12	454	01-01	1300	5.45	528
11-20	1330	4.94	421	02-03	0430	7.45	1,340
11-26	1700	5.57	558				

REMARKS.--Records good. Occasional regulation from ponds upstream. See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.3	22	206	615	69	38	41	58	43	93	6.7	3.6
2	7.4	38	138	280	208	47	230	53	41	49	27	3.8
3	6.4	41	101	168	786	50	131	54	31	32	43	3.6
4	5.4	55	89	142	289	112	132	64	24	27	24	3.2
5	5.1	41	257	142	188	91	208	53	24	79	14	55
6	5.1	34	268	110	138	73	118	47	25	54	9.6	38
7	151	30	440	92	115	66	91	44	22	32	7.9	14
8	42	25	229	85	108	145	89	48	21	22	6.7	10
9	44	433	305	71	112	128	82	81	17	17	5.8	7.2
10	29	138	228	64	89	48	148	79	14	14	5.3	5.5
11	22	89	167	63	80	75	169	120	13	13	5.0	4.7
12	24	66	126	54	78	97	107	88	11	12	5.5	4.0
13	31	67	142	49	61	70	87	65	28	10	4.7	4.4
14	22	214	111	43	61	62	76	54	33	10	4.2	22
15	25	243	103	48	46	60	59	53	19	24	13	13
16	22	138	108	49	74	59	56	65	13	19	11	8.6
17	20	98	105	50	52	143	61	51	12	13	8.2	72
18	17	82	91	53	51	176	59	52	11	9.6	7.2	53
19	20	70	78	58	51	66	55	47	11	8.2	6.1	25
20	21	246	77	168	55	78	50	45	10	7.5	5.3	16
21	18	188	75	93	59	67	47	171	10	27	5.0	12
22	17	113	189	78	82	42	46	88	12	24	4.2	25
23	17	85	280	278	58	57	47	62	18	13	3.8	20
24	17	75	175	121	48	52	72	54	13	9.3	3.6	16
25	16	71	139	66	43	49	54	48	11	7.5	3.4	12
26	15	106	133	55	43	42	42	45	9.3	10	4.7	10
27	14	250	168	66	40	40	111	42	14	13	5.3	8.9
28	15	140	117	75	42	41	132	42	25	12	4.4	8.2
29	42	110	98	87	------	45	49	71	38	9.6	3.8	8.6
30	47	91	78	82	------	53	67	48	184	8.9	3.8	7.5
31	26	------	101	73	------	53	------	55	------	6.9	4.2	------
TOTAL	414.7	3,887	4,832	3,218	3,138	2,417	2,938	1,955	765.3	648.5	266.2	494.8
MEAN	26.9	123	156	104	112	78.0	98.0	63.1	25.5	22.1	8.59	16.5
MAX	151	433	440	615	786	176	249	171	184	93	43	72
MIN	5.1	22	75	43	40	39	40	40	9.3	6.9	3.4	3.2
CFSM	.93	4.30	5.45	3.64	3.92	2.73	3.39	2.21	.89	.77	.30	.58
IN.	1.05	4.50	6.28	4.19	4.08	3.14	3.74	2.54	1.00	.89	.35	.64

CAL YR 1972 TOTAL 14,233.5 MEAN 38.9 MAX 1,000 MIN 3.7 CFSM 1.36 IN 18.53
WTR YR 1973 TOTAL 20,182.5 MEAN 55.0 MAX 786 MIN 3.2 CFSM 2.01 IN 32.75

01122000 Natchaug River at Willimantic, Conn.

LOCATION.--Lat 41°43'14", long 72°11'52", Windham County, on right bank 200 ft (60 m) downstream from Penn. Central Co. railroad bridge, 500 ft (150 m) upstream from bridge on U.S. Highway 6, 1 mi (2 km) northeast of Willimantic, 1.7 mi (2.7 km) upstream from mouth, and 3.6 mi (5.8 km) downstream from Mansfield Hollow dam.

DRAINAGE AREA.--171 mi^2 (443 km^2).

PERIOD OF RECORD.--October 1930 to current year.

GAGE.--Water-stage recorder. Datum of gage is 150.31 ft (45.814 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE(adjusted for storage).--43 years, 294 ft^3/s (8.326 m^3/s), 23.34 in/yr (593 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,710 ft^3/s (76.7 m^3/s) Feb. 6, gage height, 7.83 ft (2.387 m); minimum, 15 ft^3/s (0.42 m^3/s) Sept. 12, gage height, 1.05 ft (0.320 m); minimum daily, 30 ft^3/s (1.00 m^3/s) Aug. 26, Sept. 5.

Period of record: Maximum discharge, 32,000 ft^3/s (906 m^3/s) Sept. 21, 1938, gage height, 16.39 ft (4.996 m), from floodmarks, by computation of peak flow over dam 2 mi (3 km) upstream; minimum, about 0.3 ft^3/s (0.08 m^3/s) Aug. 6, 1937; minimum daily, 2.3 ft^3/s (0.065 m^3/s) Sept. 11, 12, 1943

REMARKS.--Records excellent. City of Willimantic diverts an average of about 1.8 mgd (0.079 m^3/s) for municipal supply from reservoirs 2 mi (3 km) upstream. Operation of water wheels at this location causes diurnal fluctuation at low flow. Flow regulated since March 1952 by Mansfield Hollow Lake (see station 01121500). See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	181	972	924	396	233	326	370	270	844	62	71
2	79	178	1,120	2,130	556	236	615	326	236	650	73	54
3	72	265	793	1,880	1,070	265	1,200	270	215	347	176	47
4	67	308	654	1,240	1,440	305	667	276	189	172	325	44
5	64	302	1,040	603	2,120	380	207	249	175	289	182	38
6	61	272	1,370	620	2,570	325	574	275	162	456	116	57
7	241	234	1,400	449	2,060	383	548	246	150	310	99	138
8	493	251	2,150	659	1,820	402	548	227	161	216	66	165
9	492	592	1,730	385	1,120	494	510	272	174	167	75	117
10	426	862	1,720	354	715	521	601	403	117	136	65	91
11	356	426	1,590	331	358	494	1,020	457	104	117	60	73
12	246	546	1,110	310	364	471	476	523	93	101	58	65
13	253	592	836	288	371	445	555	469	99	87	53	69
14	223	656	648	267	364	413	334	354	132	83	47	93
15	206	526	736	260	390	380	302	241	144	102	101	133
16	183	1,120	706	261	415	361	363	334	127	104	95	118
17	156	1,050	531	264	406	401	342	322	111	105	91	109
18	140	867	477	278	374	567	330	242	98	48	83	181
19	142	667	331	291	353	731	316	274	90	46	76	347
20	146	493	256	396	342	724	249	253	84	75	66	411
21	135	1,510	353	473	341	615	275	491	82	110	56	371
22	131	1,240	487	470	343	526	253	425	87	121	52	319
23	127	930	725	703	342	422	241	496	97	115	47	271
24	123	747	850	1,070	327	342	276	367	117	48	42	219
25	114	601	556	937	303	321	245	314	115	46	40	180
26	113	760	472	762	284	323	334	241	105	75	35	129
27	107	1,380	1,120	613	261	366	435	252	106	65	47	105
28	110	1,450	1,140	526	236	364	471	260	121	70	48	89
29	104	1,170	676	502	------	341	525	253	143	76	44	81
30	206	948	684	381	------	336	452	334	375	72	45	73
31	202	------	437	300	------	313	------	242	------	67	57	------
TOTAL	5,715	22,357	27,601	14,531	25,162	12,771	14,742	10,557	4,232	5,554	2,500	4,258
MEAN	184	745	890	469	720	412	491	342	141	179	80.6	142
MAX	492	1,510	2,150	2,130	2,570	731	1,200	525	375	844	325	411
MIN	61	178	254	260	236	233	207	227	82	67	35	38
(†)	+1.2	+3.9	-2.1	+3.1	-2.5	+4.7	+37.9	-2.4	-1.6	-7.6	-1.5	+35.0
MEAN ‡	186	749	946	601	718	417	529	340	139	171	79.1	107
CFSM ‡	1.09	4.38	5.53	3.51	4.20	2.44	3.09	1.99	0.81	1.00	0.46	0.63
IN ‡	1.26	4.89	6.38	4.05	4.37	2.81	3.45	2.29	0.90	1.15	0.53	0.70

CAL YR 1972 TOTAL [illegible] MEAN ‡ 520 CFSM ‡ 3.04 IN ‡ 41.41

WTR YR 1973 TOTAL [illegible] MEAN ‡ 417 CFSM ‡ 2.42 IN ‡ 32.78

†Change in contents in Mansfield Hollow Lake, equivalent in cubic feet per second; furnished by Corps of Engineers.

‡Adjusted for change in contents.

01122500 Shetucket River near Willimantic, Conn.

LOCATION.--Lat 41°42'01", long 72°10'57", Windham County, on right bank at downstream side of Bingham Bridge on Plains Road, 500 ft (150 m) upstream from Penn. Central Co. railroad bridge, 500 ft (150 m) downstream from Potash Brook, 1.3 mi (2.1 km) downstream from confluence of Willimantic and Natchaug Rivers, 1.5 mi (2.4 km) southeast of Willimantic, and 17 mi (27 km) upstream from mouth.

DRAINAGE AREA.--402 mi² (1,041 km²).

PERIOD OF RECORD.--April 1904 to December 1905, October 1919 to September 1921, September 1928 to current year. Published as "at South Windham" October 1919 to September 1921, September 1928 to September 1933. Monthly discharge only for some periods, published in WSP 1301.

GAGE.--Water-stage recorder since Dec. 5, 1933. Datum of gage is 131.40 ft (40.051 m) above mean sea level (levels by Corps of Engineers). Apr. 4, 1904, to Dec. 31, 1905, nonrecording gage at present site and about the same datum. October 1919 to Sept. 30, 1921, and Sept. 1, 1928, to Sept. 30, 1933, water-stage recorder at site 1.5 mi (2.4 km) downstream at different datum.

AVERAGE DISCHARGE(adjusted for storage).--48 years, 692 ft³/s (19.60 m³/s), 23.39 in/yr (594 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,920 ft³/s (253 m³/s) Feb. 3, gage height, 11.20 ft (3.414 m); minimum, 102 ft³/s (2.89 m³/s) Aug. 27, Sept. 12; minimum daily discharge, 106 ft³/s (3.00 m³/s) Aug. 26; minimum gage height, 1.84 ft (0.561 m) Aug. 27.

Period of record: Maximum discharge, 52,200 ft³/s (1,480 m³/s) Sept. 21, 1938, gage height, 27.6 ft (8.41 m), from floodmarks, from rating curve extended above 11,000 ft³/s (312 m³/s) on basis of computation of peak flow over Scotland and Baltic Dams, 5 and 9 mi (8 and 14 km) downstream, respectively, adjusted for flow from intervening area; minimum, 15 ft³/s (0.42 m³/s) Aug. 29, 1949, gage height, 1.34 ft (0.408 m); minimum daily, 19 ft³/s (0.54 m³/s) Aug. 22, Oct. 24, 1949.

REMARKS.--Records good. Flow regulated by mills and flood detention reservoirs on Willimantic River, on Natchaug River by pumping for municipal supply of city of Willimantic, and by Mansfield Hollow Lake (see station 01121500). Records of water quality for the current year are published in Part 2 of this report. See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	209	439	2,190	3,140	931	646	411	1,130	456	2,440	176	336
2	197	462	2,310	5,600	1,770	693	2,170	447	730	1,660	215	193
3	188	764	1,730	3,700	7,530	753	2,570	489	651	470	462	164
4	185	748	1,470	2,740	5,210	985	1,910	971	564	625	632	137
5	177	715	2,650	2,070	4,000	1,290	1,950	426	543	428	388	119
6	181	626	3,060	1,350	3,810	1,110	1,470	439	497	1,040	265	192
7	1,050	564	5,260	1,260	3,430	1,030	1,640	761	458	740	225	557
8	2,030	623	4,270	1,250	2,590	1,310	1,430	710	432	573	196	368
9	1,160	2,070	3,740	982	2,230	2,070	1,380	455	384	445	175	279
10	885	1,950	3,510	871	1,650	1,650	1,670	1,140	369	345	159	214
11	704	1,430	3,040	831	1,140	1,380	2,560	1,260	311	327	154	181
12	611	1,400	2,280	784	1,040	1,270	1,940	1,490	285	300	158	167
13	612	1,140	1,950	744	1,020	1,290	1,490	1,250	326	252	148	136
14	563	1,510	1,490	647	970	1,090	1,100	1,070	587	248	132	140
15	526	2,970	1,730	713	1,120	1,010	1,080	466	492	335	275	318
16	507	2,220	1,750	735	1,200	986	1,010	1,020	394	348	252	306
17	456	1,520	1,500	752	1,030	1,170	447	448	330	307	220	282
18	414	1,560	1,320	773	983	1,940	434	490	291	261	195	561
19	414	1,230	1,130	612	912	1,640	455	436	276	232	176	1,080
20	415	2,320	1,010	1,290	915	1,510	484	785	261	211	167	823
21	379	1,930	1,140	1,250	933	1,290	747	1,460	252	418	153	674
22	354	2,210	1,710	1,110	873	1,140	761	1,980	271	514	149	558
23	342	1,550	2,190	2,270	468	1,010	737	1,410	327	373	136	578
24	341	1,390	2,240	2,620	675	822	481	1,120	370	241	120	574
25	336	1,210	2,100	1,880	740	744	480	447	329	243	112	455
26	320	2,060	2,080	1,530	776	902	413	447	293	236	106	351
27	310	3,480	2,500	1,300	730	1,220	1,540	412	295	266	113	293
28	314	2,600	2,500	1,320	670	1,040	2,040	434	445	240	154	261
29	455	2,040	1,425	1,330	------	944	1,340	1,110	492	228	131	232
30	540	1,650	1,530	1,150	------	878	1,320	463	1,440	207	125	207
31	447	------	1,260	1,010	------	860	------	455	------	191	158	------
TOTAL	15,673	46,158	63,080	47,119	50,140	35,661	47,340	32,435	14,482	15,746	6,223	10,752
MEAN	506	1,604	2,034	1,520	1,791	1,150	1,512	1,046	484	509	201	358
MAX	2,030	3,480	5,260	5,600	7,530	2,070	2,570	1,490	1,440	2,440	632	1,080
MIN	177	434	1,010	647	670	446	747	719	292	191	106	119
(†)	+1.9	+3.9	-2.1	+3.1	-2.5	+4.7	+37.9	-2.4	-1.6	-7.6	-1.5	-35.0
MEAN †	508	1,609	2,226	1,523	1,788	1,155	1,450	1,044	447	501	200	323
CFSM †	1.26	4.00	5.54	3.79	4.45	2.87	3.61	2.60	1.11	1.25	0.50	0.80
IN †	1.45	4.46	6.39	4.37	4.63	3.31	4.03	3.00	1.24	1.44	0.58	0.89

CAL YR [illegible] MEAN † 1,246 CFSM † 3.10 IN † 42.19
WTR YR [illegible] MEAN † 1,060 CFSM † 2.64 IN † 35.79

†Change in contents in Mansfield Hollow Lake, equivalent in cubic feet per second, furnished by Corps of Engineers.

‡Adjusted for change in contents.

01123000 Little River near Hanover, Conn.

LOCATION.--Lat 41°40'18", long 72°03'10", Windham County, on left bank 800 ft (240 m) upstream from bridge on Hannanc Road, 0.7 mi (1.1 km) downstream from Peck Brook, 2.3 mi (3.7 km) northeast of Hanover, and 6.5 mi (10.5 km) upstream from mouth.

DRAINAGE AREA.--30.4 mi^2 (78.7 km^2).

PERIOD OF RECORD.--July 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 221.19 ft (67.419 m) above mean sea level.

AVERAGE DISCHARGE.--22 years, 35.4 ft^3/s (1.569 m^3/s), 24.75 in/yr (629 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,570 ft^3/s (44.5 m^3/s) Feb. 3, gage height, 6.8 ft (2.07 m), from high-water mark; minimum, 11 ft^3/s (0.31 m^3/s), Sept. 6; minimum gage height, 1.24 ft (0.378 m) Aug. 31, Sept. 4, 6.

Period of record: Maximum discharge, 1,710 ft^3/s (48.4 m^3/s) Apr. 3, 1970, gage height, 7.02 ft (2.140 m), from rating curve extended above 820 cfs; minimum, 3.2 ft^3/s (0.091 m^3/s) Aug. 16, 1959, gage height, 1.00 ft (0.305 m), caused by a minor and temporary regulation from an unknown source upstream.

PEAK DISCHARGE.--(BASE, 400 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-09	1600	4.03	472	12-07	0600	5.26	904
11-15	0300	4.19	517	01-01	1800	4.09	487
11-20	1600	3.90	430	02-03	Unkn	6.8	1,570
11-26	2300	4.10	490				

REMARKS.--Records good except those for January, which are fair. See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	43	211	400	50	55	41	73	60	120	14	13
2	19	53	154	262	250	54	272	64	55	60	19	12
3	17	54	117	153	1,200	61	141	66	50	42	35	11
4	17	68	101	140	480	100	134	77	45	37	25	12
5	16	58	244	147	171	47	242	66	40	35	20	11
6	15	46	325	120	137	76	137	60	37	42	23	17
7	156	44	671	125	114	73	134	56	37	36	16	31
8	174	65	235	104	110	141	44	53	35	31	13	20
9	73	493	244	74	120	142	47	47	32	25	12	16
10	50	140	218	57	43	47	186	114	30	23	11	14
11	41	108	178	50	81	42	173	114	27	20	11	13
12	52	95	134	54	80	40	114	47	25	20	12	13
13	43	74	141	52	50	73	43	77	34	17	11	12
14	44	144	134	50	65	65	42	47	34	16	11	13
15	46	140	114	50	47	42	76	43	30	27	46	30
16	40	144	110	52	45	60	72	71	27	30	55	25
17	35	116	105	54	77	114	54	63	24	22	31	19
18	33	47	40	56	40	154	54	61	23	18	23	27
19	35	84	47	60	75	100	47	50	23	16	19	36
20	40	113	101	40	65	40	53	40	23	15	17	26
21	35	220	107	43	60	70	54	140	23	24	15	20
22	33	131	201	110	71	60	47	120	25	31	17	18
23	32	101	232	150	60	53	45	100	36	22	19	27
24	31	85	204	200	51	60	53	40	34	18	28	27
25	30	84	161	170	56	47	45	38	25	15	14	23
26	24	272	150	140	55	44	134	40	22	16	15	20
27	27	306	161	110	52	46	106	40	25	16	13	17
28	25	155	134	100	51	45	134	40	46	17	13	16
29	75	122	111	40	------	51	134	40	34	15	13	16
30	64	100	95	70	------	44	42	30	107	14	12	12
31	42	------	111	60	------	44	------	45	------	15	11	------
TOTAL	1,435	4,255	5,442	3,454	4,125	2,535	3,278	2,188	1,067	466	484	563
MEAN	46.3	142	177	111	147	81.5	134	77.0	35.6	27.4	21.6	18.8
MAX	174	493	671	400	1,200	154	272	140	107	120	46	36
MIN	15	43	40	50	51	55	55	53	22	14	11	11
CFSM	1.53	4.67	5.82	3.65	4.94	2.68	3.94	2.53	1.17	.92	.71	.62
IN.	1.76	5.21	6.71	4.23	5.05	3.04	4.01	2.67	1.31	1.06	.82	.69

CAL YR 1972 TOTAL 16,145 MEAN 44.2 MAX 426 MIN 15 CFSM 1.45 IN 19.74
WTR YR 1973 TOTAL 18,107 MEAN 49.6 MAX 1,200 MIN 11 CFSM 1.63 IN 22.20

01124000 Quinebaug River at Quinebaug, Conn.

LOCATION.--Lat 42°01'20", long 71°57'22", Windham County, on right bank at Quinebaug, 500 ft (152 m) upstream from bridge on State Highway 197, 0.2 mile (0.3 km) downstream from Massachusetts-Connecticut State Line, 7.8 miles (12.6 km) upstream from French River, and at mile 46 (74 km).

DRAINAGE AREA.--156 mi² (404 km²).

PERIOD OF RECORD.--September 1931 to current year.

GAGE.--Water-stage recorder. Datum of gage is 341.52 ft (104.095 m) above mean sea level.

AVERAGE DISCHARGE (adjusted for storage).--42 years, 266 ft³/s (7.533 m³/s), 22.17 in/yr (563 mm/yr).

EXTREMES.--Maximum discharge, 2,440 ft³/s (69.1 m³/s) Feb. 2, gage height, 6.00 ft (1.829 m); minimum, 24 ft³/s (0.68 m³/s) Aug. 31, gage height, 2.32 ft (0.707 m).

Period of record: Maximum discharge, 49,300 ft³/s (1,400 m³/s) Aug. 19, 1955, gage height, 18.96 ft (5.779 m), from floodmarks, from rating curve extended above 5,100 ft³/s (144 m³/s) on basis of slope-area measurement of peak flow; minimum, about 1 ft³/s (0.028 m³/s) Sept. 9, 1943, July 12, 1949, Sept. 17, 18, 1950, July 9, 1951, Sept. 4 and Oct. 29, 1956; minimum daily, about 1 ft³/s (0.028 m³/s) Sept. 4, 1956, minimum gage height, 1.76 ft (0.530 m) Aug. 20, 1940.

REMARKS.--Records good. Flow regulated by East Brimfield and Westville Lakes, (see p.40), and by smaller reservoirs upstream. Records of water quality for the current year are published in Part 2 of this report. See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	97	717	1,130	390	200	350	355	292	766	52	35
2	91	117	654	1,170	710	212	836	266	260	577	91	40
3	85	188	584	1,160	1,750	236	540	360	228	440	108	37
4	68	176	546	1,010	1,110	355	794	435	208	345	256	48
5	52	154	738	864	1,280	405	1,060	474	196	415	224	39
6	47	158	992	724	1,350	395	976	425	280	435	169	65
7	248	124	1,500	668	1,250	380	801	270	184	345	130	68
8	325	158	1,280	696	1,140	540	647	260	169	276	102	34
9	288	430	1,280	759	1,050	766	522	310	150	228	116	28
10	296	360	1,190	626	822	731	558	370	130	184	91	32
11	212	300	1,170	330	717	619	640	450	114	162	71	40
12	208	266	1,150	296	626	522	534	540	105	150	71	33
13	165	232	1,060	284	415	498	668	450	260	124	76	32
14	133	395	850	260	340	450	724	350	335	108	68	37
15	133	584	668	236	375	415	682	320	272	102	87	64
16	121	480	584	232	360	395	510	370	228	102	76	35
17	124	425	598	232	330	546	420	350	184	85	68	61
18	143	410	626	240	320	787	385	320	154	89	60	130
19	169	355	480	272	310	689	292	300	150	82	49	129
20	176	731	430	552	280	598	264	200	117	71	44	66
21	173	717	410	486	284	504	325	700	105	121	42	66
22	169	612	534	430	296	440	345	600	143	143	37	61
23	165	534	633	920	296	400	320	445	236	117	31	97
24	158	450	612	889	276	360	395	400	192	94	30	87
25	137	450	598	752	252	340	486	340	162	82	29	129
26	124	799	577	570	240	390	474	300	140	74	28	104
27	111	936	564	492	224	410	415	276	158	82	29	71
28	102	822	522	445	212	375	435	284	208	74	28	70
29	124	696	462	440	------	395	450	335	216	65	26	148
30	114	991	420	440	------	325	410	315	682	60	24	99
31	102	------	440	430	------	313	------	325	------	54	24	------
TOTAL	4,631	12,629	22,869	18,001	17,005	13,948	16,228	11,533	6,150	6,051	2,454	1,965
MEAN	149	421	738	581	607	450	541	372	205	195	79.9	65.5
MAX	325	936	1,500	1,170	1,750	787	1,060	700	682	766	256	148
MIN	47	97	410	232	212	200	264	200	105	54	24	28
(†)	+1.5	+6.1	-1.7	-0.6	-2.4	+1.4	+13.1	+14.6	+2.0	-6.3	-0.7	+2.1
MEAN ‡	150	427	736	580	605	451	554	357	207	191	77.2	67.6
CFSM ‡	0.96	2.74	4.72	3.72	3.88	2.89	3.55	2.29	1.33	1.22	0.49	0.43
IN ‡	1.11	3.06	5.44	4.29	4.04	3.33	3.96	2.64	1.48	1.41	0.56	0.48

CAL YR 1972 TOTAL 152,789 MEAN 417 MAX 1,730 MIN 27 MEAN ‡ 417 CFSM ‡ 2.67 IN ‡ 36.44
WTR YR 1973 TOTAL 133,414 MEAN 366 MAX 1,750 MIN 24 MEAN ‡ 366 CFSM ‡ 2.35 IN ‡ 31.80

† Change in contents in East Brimfield and Westville Lakes, equivalent in cubic feet per second, furnished by the Corps of Engineers.

‡ Adjusted for change in contents.

01124151 Quinebaug River at West Thompson, Conn.

LOCATION.--Lat 41°54'26", long 71°54'03", Windham County, on left bank near downstream end of tailrace, upstream from concrete V-notch weir at flood-control dam at West Thompson.

DRAINAGE AREA.--172 mi² (445 km²).

PERIOD OF RECORD.--June 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 291.00 ft (88.700 m) above mean sea level.

AVERAGE DISCHARGE (adjusted for storage and diversion).--7 years, 200 ft³/s (5.496 m³/s), 23.68 in/yr (601 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,060 ft³/s 57.8 m³/s) Feb 6, gage height, 6.33 ft (1.929 m); minimum daily, 13 ft³/s (0.37 m /s) Sept. 8-13.

Period of record: Maximum discharge, 2,060 ft³/s (57.8 m³/s) Feb. 6, 1973, gage height, 6.33 ft (1.929 m); minimum daily, 13 ft³/s (0.34 m³/s) Aug. 28, 1970. No flow many days 1970, 1972 (regulation).

Flood of Aug. 19, 1955, reached a discharge of about 48,200 ft³/s (1,360 m³/s), by comparison of peak flows at Quinebaug and Putnam, gage height, 25.1 ft (6.13 m) from floodmarks.

REMARKS.--Records good. Flow regulated by East Brimfield, Westville, and West Thompson Lakes (see p. 60), and by smaller reservoirs upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	116	770	685	470	240	402	484	355	240	68	27
2	71	176	625	954	413	241	715	482	325	235	57	31
3	71	175	715	1,110	560	270	770	472	300	532	107	33
4	67	206	560	1,360	1,330	335	575	428	272	413	709	35
5	61	160	760	1,470	1,790	540	474	362	264	300	239	30
6	50	150	635	1,640	1,810	540	1,140	357	242	480	200	64
7	45	175	1,150	1,270	1,450	590	1,130	332	233	402	169	66
8	270	160	1,170	915	1,480	574	940	294	216	337	123	13
9	291	156	1,340	1,620	1,780	755	615	263	250	246	116	13
10	291	464	1,485	794	1,300	740	615	332	175	234	109	13
11	271	592	1,420	472	1,150	761	900	424	152	198	93	13
12	201	344	1,640	350	480	645	771	537	142	140	87	13
13	140	315	1,340	373	480	545	575	504	175	146	80	13
14	155	326	1,130	305	450	544	740	456	170	147	77	30
15	136	465	473	299	450	440	500	416	354	135	68	170
16	122	465	480	299	440	472	710	456	305	174	93	111
17	121	516	470	296	420	500	544	396	254	114	67	60
18	121	460	475	289	400	475	400	371	212	98	75	72
19	132	440	540	311	360	475	456	357	176	99	60	151
20	146	420	545	340	350	740	395	332	155	88	66	170
21	152	470	516	364	350	460	311	448	134	84	53	84
22	152	790	548	546	370	548	311	476	128	143	49	67
23	156	480	470	484	370	500	335	532	215	157	44	60
24	155	460	470	1,110	370	444	348	484	234	178	48	92
25	144	442	465	1,040	330	432	348	424	254	110	37	152
26	132	401	455	707	311	430	345	362	148	45	35	171
27	126	1,050	455	675	290	500	472	357	172	77	33	47
28	116	470	455	556	271	454	590	341	225	62	32	73
29	120	430	475	520	------	432	532	388	230	76	31	116
30	130	475	528	484	------	424	472	388	454	76	30	177
31	122	------	520	452	------	410	------	398	------	65	28	------
TOTAL	4,330	14,305	26,185	21,606	21,903	16,519	16,594	12,748	7,063	7,110	2,605	2,043
MEAN	140	477	844	697	754	533	553	411	236	229	84.0	68.1
MAX	291	1,050	1,640	1,640	1,810	755	1,140	576	454	540	234	170
MIN	50	116	455	299	271	241	311	263	134	55	28	13
(†)	63	412	-2	0	-14	410	414	-16	42	-10	-1.9	45.4
MEAN†	163	492	842	697	768	543	634	395	238	219	82.1	74.2
CFSM†	0.81	2.86	4.90	4.05	4.47	3.16	3.69	2.30	1.38	1.27	0.48	0.43
IN†	0.94	3.19	5.65	4.67	4.66	3.64	4.12	2.65	1.54	1.46	0.55	0.48

CAL YR 1972 TOTAL 175,492 MEAN 481 MAX 1,710 MIN 13 MEAN† 481 CFSM† 2.80 IN† 38.26
WTR YR 1973 TOTAL 155,117 MEAN 425 MAX 2,010 MIN 13 MEAN† 425 CFSM† 2.47 IN† 33.57

† Change in contents in East Brimfield, Westville, and West Thompson Lakes, equivalent in cubic feet per second; furnished by the Corps of Engineers.

† Adjusted for change in contents.

01124600 Blackwell Brook near Brooklyn, Conn.

LOCATION.--Lat 41°49'59", long 71°57'25", Windham County, on left bank 75 ft (23 m) upstream from bridge on State Highway 169, 1.5 mi (2.4 km) south of Brooklyn.

DRAINAGE AREA.--17.0 mi² (44.0 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1961-63, and annual maximum, water years 1962-63. October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.83 ft (41.767 m) above mean sea level. Sept. 8, 1961, to Oct. 28, 1963, crest-stage gage at bridge 75 ft (23 m) downstream at same datum.

AVERAGE DISCHARGE.--10 years, 29.0 ft³/s (0.821 m³/s), 23.17 in/yr (589 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,060 ft³/s (30.0 m³/s) Feb. 3, gage height, 7.64 ft (2.329 m); minimum, 2.4 ft³/s (0.068 m³/s) Aug. 14, 15, gage height, 0.96 ft (0.292 m).

Period of record: Maximum discharge, 1,100 ft³/s (31.2 m³/s) Apr. 2, 1970, gage height, 7.76 ft (2.365 m); minimum recorded, 0.40 ft³/s (0.011 m³/s) Sept. 8, 1964, Aug. 17, 1970; minimum gage height, 0.63 ft (0.192 m) Sept. 8, 1964.

PEAK DISCHARGE.--(BASE, 250 ft³/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-09	1300	4.26	299	12-07	0300	6.35	708
11-15	0300	4.41	322	01-01	1500	4.45	328
11-20	1700	4.09	274	02-03	0400	7.64	1,060
11-26	2200	4.34	311				

REMARKS.--Records excellent except those for September, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	23	132	257	35	24	45	41	21	22	3.8	12
2	4.0	24	47	174	141	25	145	36	18	36	6.6	7.0
3	7.1	42	62	104	651	22	132	34	16	21	18	6.0
4	6.5	45	52	50	146	49	48	40	15	17	11	5.0
5	6.1	33	164	42	125	43	144	34	15	17	7.2	4.5
6	4.6	28	217	23	84	42	44	24	14	16	5.2	7.0
7	41	25	425	56	34	37	43	26	13	12	4.2	20
8	117	36	164	43	67	42	54	24	12	9.7	3.6	13
9	43	224	142	32	34	49	40	49	10	6.0	3.2	10
10	24	127	152	24	50	40	111	67	9.2	6.5	3.0	8.0
11	14	68	112	27	40	44	124	44	8.1	6.0	2.9	7.0
12	14	54	24	26	35	44	24	57	7.6	7.2	3.3	6.9
13	24	46	73	25	30	35	54	41	11	5.5	2.8	5.5
14	71	116	71	23	35	35	40	33	15	4.8	2.6	7.0
15	22	234	58	23	56	32	44	24	11	6.4	15	12
16	18	112	43	24	42	32	41	35	8.1	12	17	11
17	17	71	34	27	41	45	34	30	7.1	6.3	9.1	10
18	16	54	47	31	31	104	32	27	6.7	6.2	6.5	25
19	18	47	42	35	32	61	35	24	6.5	5.2	5.3	40
20	21	145	45	42	34	44	32	22	6.4	4.7	4.6	35
21	17	164	47	44	35	38	24	45	6.2	4.5	4.0	25
22	16	77	112	54	37	35	27	45	6.7	12	3.9	18
23	16	54	143	135	34	32	27	35	11	6.0	3.7	13
24	16	47	124	43	31	24	32	30	9.4	5.5	3.3	10
25	15	42	45	60	27	27	24	25	7.6	4.7	3.0	7.0
26	15	143	37	46	25	42	41	23	6.4	4.7	2.7	4.9
27	14	145	43	43	24	40	134	22	12	5.0	4.2	4.5
28	15	49	73	45	23	35	114	31	30	5.0	5.1	4.4
29	40	43	52	47	------	31	70	44	33	4.4	4.8	4.1
30	40	41	43	40	------	28	41	30	27	4.4	4.5	4.1
31	24	------	41	40	------	24	------	25	------	3.8	6.0	------
TOTAL	734.2	2,432	3,214	2,217	2,124	1,361	2,143	1,134	430.3	350.3	174.1	346.1
MEAN	23.7	81.0	104	71.5	76.0	44.5	71.1	37.8	14.3	11.3	5.78	11.5
MAX	117	234	425	257	651	104	144	45	33	22	18	40
MIN	4.0	23	42	23	23	24	24	22	6.2	3.8	2.6	4.1
CFSM	1.39	4.76	6.12	4.19	4.47	2.62	4.18	2.14	.84	.66	.34	.68
IN.	1.61	5.34	7.05	4.86	4.66	3.00	4.67	2.53	.94	.77	.38	.76

CAL YR 1972 TOTAL 23,408.0 MEAN 64.0 MAX 548 MIN 4.0 CFSM 3.76 IN 46.07
WTR YR 1973 TOTAL 14,410.0 MEAN 39.4 MAX 651 MIN 2.6 CFSM 2.58 IN 38.13

01126950 Pachaug River at Pachaug, Conn.

LOCATION.--Lat 41°35'05", long 71°56'02", New London County, on right bank 300 ft (90 m) upstream from bridge on State Highway 138 at Pachaug, and 0.3 mile (0.5 km) downstream from Pachaug Pond.

DRAINAGE AREA.--53.0 mi^2 (137.3 km^2).

PERIOD OF RECORD.--July 1961 to September 1973 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 144.85 ft (44.150 m) above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--12 years, 97.3 ft^3/s (2.756 m^3/s), 24.91 in/yr (633 mm/yr).

EXTREMES.--Current year: Maximum discharge, 765 ft^3/s (21.7 m^3/s) Feb. 4, gage height, 5.80 ft (1.768 m) minimum, 12 ft^3/s (0.34 m^3/s) Aug. 13, gage height, 1.91 ft (0.582 m).

Period of record: Maximum discharge, 1,180 ft^3/s (33.4 m^3/s) Mar. 19, 1968, gage height, 7.45 ft (2.271 m); no flow many days in July, August, September, and October 1968.

Flood of Sept. 21, 1938, reached a discharge of 2,240 ft^3/s (63.4 m^3/s) 5.5 mi (8.8 km) downstream, by computation of peak flow over dam; drainage area, 59.1 mi^2 (153.1 km^2).

PEAK DISCHARGE.--(BASE, 350 ft^3/s, revised):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-15	2400	3.86	354	01-02	2200	4.11	402
11-21	1700	4.01	382	02-04	0500	5.80	765
12-07	2400	5.60	715	04-05	0300	4.26	432
12-24	0400	4.08	396	04-11	2100	3.95	370

REMARKS.--Records excellent. Flow regulated at times by Pachaug Pond.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	96	259	341	150	110	140	230	128	186	30	30
2	29	84	249	394	200	108	313	197	115	190	30	36
3	27	87	230	374	663	110	614	174	108	165	30	47
4	25	87	212	348	733	152	494	164	99	136	30	43
5	23	83	269	329	578	197	428	152	92	119	27	36
6	23	78	343	287	456	203	392	141	87	110	24	30
7	97	71	648	239	364	185	341	133	81	95	21	25
8	185	96	688	206	317	146	305	123	75	83	18	23
9	167	243	620	174	285	217	277	158	71	70	17	19
10	141	187	538	150	255	212	317	215	63	59	15	18
11	111	283	458	136	219	194	359	241	57	57	14	15
12	92	236	340	128	190	176	351	226	54	57	13	14
13	79	194	347	119	169	162	305	197	62	52	13	14
14	68	226	321	113	157	152	259	172	87	47	12	17
15	62	337	299	108	188	141	222	153	83	83	111	44
16	62	348	259	118	224	131	195	155	73	78	157	47
17	60	303	230	111	217	162	177	150	63	76	160	47
18	59	267	220	113	188	183	167	143	55	68	133	59
19	65	286	219	118	165	183	155	133	52	55	102	70
20	67	313	234	174	155	174	176	133	51	47	75	67
21	65	378	239	185	152	158	172	251	47	63	59	59
22	62	350	307	174	153	140	158	303	51	73	51	52
23	59	287	372	228	152	130	148	285	62	70	44	83
24	56	236	390	259	143	123	148	247	65	60	38	91
25	51	281	362	237	135	116	138	204	60	49	33	89
26	44	235	325	293	130	136	170	179	55	46	28	78
27	48	329	301	181	123	158	251	160	73	46	25	67
28	67	329	277	160	115	157	313	155	111	43	23	57
29	73	293	249	150	------	141	303	158	119	41	20	49
30	87	265	222	140	------	128	271	153	158	36	19	43
31	89	------	221	140	------	126	------	143	------	33	20	------
TOTAL	2,134	8,462	10,274	6,129	6,958	4,857	7,773	5,634	2,357	2,375	1,392	1,369
MEAN	68.8	282	332	198	248	157	259	182	78.6	76.6	44.9	45.6
MAX	167	378	688	394	733	217	620	303	158	190	160	91
MIN	21	71	219	108	115	108	138	123	47	33	12	14
CFSM	1.30	5.30	6.26	3.74	4.68	2.96	4.89	3.43	1.48	1.45	.85	.86
IN.	1.50	5.95	7.21	4.30	4.88	3.41	5.45	3.95	1.65	1.67	.98	.96

CAL YR 1972 TOTAL 41,662 MEAN 114 MAX 784 MIN 14 CFSM 2.17 IN 29.24
WTR YR 1973 TOTAL 58,098 MEAN 159 MAX 733 MIN 12 CFSM 3.00 IN 40.78

01127000 Quinebaug River at Jewett City, Conn.

LOCATION.--Lat 41°35'52", long 71°59'05", New London County, on left bank behind high school on Slater Avenue, Jewett City, 570 ft (174 m) downstream from outlet of canal from Wedgewood Mills at mouth of Pachaug River, 1,000 ft (305 m) downstream from railroad bridge and at mile 6.1 (9.8 km).

DRAINAGE AREA.--715 mi^2 (1,852 km^2).

PERIOD OF RECORD.--July 1918 to current year.

GAGE.--Water-stage recorder. Datum of gage is 63.07 ft (19.224 m) above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--55 years, 1,240 ft^3/s (35.12 m^3/s), 23.55 in/yr (598 mm/yr).

EXTREMES.--Current year: Maximum discharge, 11,100 ft^3/s (314m^3/s) Feb. 3, gage height, 15.50 ft (4.724 m); minimum, 156 ft^3/s (4.42 m^3/s) Sept. 16, gage height, 4.38 ft (1.335 m); minimum daily, 286 ft^3/s (8.10 m^3/s) Aug. 31.

Period of record: Maximum discharge, 40,700 ft^3/s (1,150 m^3/s)Aug. 20, 1955, gage height, 29.0 ft (8.84 m) from floodmarks, from rating curve extended above 11,000 ft^3/s (312 m^3/s) by computation of peak flows over three nearby dams at gage heights, 21.7 ft (6.61 m), 22.5 ft (6.86 m), 24.0 ft (7.32 m), and 29.0 ft)8.84 m); minimum, 16 ft^3/s (0.45 m^3/s) Sept. 25, 1948, Nov. 18, 1950; minimum daily, 18 ft^3/s (0.51 m^3/s) Aug. 28, Dec. 11, 1949; minimum gage height, 3.45 ft (1.052 m) Sept. 25, 1948.

REMARKS.--Records excellent. Flow regulated by East Brimfield, Westville, West Thompson, Hodges Villege, Buffumville Reservoirs, (see p. 40), by Lake Chaugungagungamaug, estimated usable capacity 207,000,000 ft^3 (5,860,000 m^3) and by smaller reservoirs upstream. Records of water quality for the current year are published in Part 2 of this report. See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	430	600	3,460	4,670	1,840	1,300	1,590	2,400	1,430	2,990	448	299
2	434	800	3,770	5,810	2,600	1,250	3,410	2,180	1,320	2,930	448	299
3	434	900	3,300	7,000	9,710	1,240	4,470	2,000	1,200	2,380	548	343
4	426	800	2,490	5,090	8,150	1,610	3,760	1,930	1,110	1,820	626	312
5	402	700	3,920	2,300	6,240	2,040	4,440	1,800	1,070	1,520	702	304
6	386	600	4,760	2,300	5,700	2,120	4,260	1,660	1,000	1,570	662	345
7	902	1,000	8,670	2,400	5,210	1,960	3,840	1,540	950	1,490	570	856
8	2,020	2,500	7,830	2,470	4,800	2,180	3,410	1,440	901	1,290	496	689
9	1,810	5,000	7,070	2,000	4,560	2,970	2,960	1,590	839	1,100	434	513
10	1,470	3,780	6,360	1,800	4,300	2,840	2,990	2,040	781	934	410	429
11	1,300	3,120	5,580	1,700	4,000	2,680	4,010	2,120	704	876	428	378
12	1,100	2,530	5,140	1,600	3,700	2,450	3,650	2,260	653	877	419	371
13	1,000	2,110	4,640	1,580	3,350	2,200	3,060	2,120	660	833	383	548
14	900	2,340	4,220	1,480	2,950	2,000	2,780	1,930	979	726	361	657
15	800	4,710	3,800	1,450	2,140	1,890	2,550	1,750	1,150	772	1,370	633
16	750	4,230	3,750	1,440	2,380	1,790	2,370	1,720	1,030	876	1,590	400
17	700	3,450	3,300	1,450	2,080	1,970	2,110	1,650	891	787	1,210	399
18	650	2,750	2,820	1,480	1,680	2,980	1,920	1,580	767	675	925	541
19	600	2,370	2,910	1,510	1,620	3,000	1,830	1,500	692	594	731	768
20	550	3,490	2,690	2,160	1,710	2,770	1,760	1,420	630	539	606	820
21	550	4,680	2,660	2,330	1,650	2,430	1,580	2,150	583	616	542	687
22	500	4,040	3,180	2,130	1,700	2,100	1,480	2,530	573	728	510	578
23	500	3,370	4,220	3,290	1,800	1,860	1,430	2,340	653	716	477	657
24	450	2,780	4,300	3,850	1,800	1,720	1,540	2,100	816	630	435	704
25	450	2,420	3,890	3,490	1,700	1,610	1,580	1,830	871	580	395	680
26	450	2,950	3,600	2,900	1,600	1,710	1,750	1,620	782	506	362	670
27	400	4,860	3,540	2,360	1,500	1,920	2,720	1,470	767	502	342	649
28	400	4,650	3,390	2,390	1,400	1,830	3,470	1,420	1,110	491	350	575
29	400	3,920	3,020	2,730	------	1,700	3,290	1,640	1,180	492	333	498
30	350	3,240	2,650	2,550	------	1,600	2,770	1,590	1,830	510	305	497
31	350	------	2,550	2,250	------	1,530	------	1,510	------	500	286	------
TOTAL	21,884	86,590	127,880	81,870	91,870	63,390	82,780	56,810	27,902	31,830	17,702	14,099
MEAN	705	2,820	4,125	2,641	3,281	2,045	2,759	1,833	930	1,027	571	537
MAX	2,020	5,000	8,670	7,000	9,710	3,000	4,470	2,530	1,830	2,990	1,590	856
MIN	350	600	2,550	1,440	1,400	1,250	1,410	1,420	573	491	286	299
(†)	+3.5	+16.6	-2.8	-1.8	-13.3	+9.5	+19.1	-20.2	+5.4	-14.3	-3.9	+8.0
MEAN†	708	2,837	4,122	2,639	3,268	2,054	2,778	1,813	935	1,013	567	545
CFSM†	0.99	3.97	5.76	3.69	4.57	2.87	3.89	2.54	1.31	1.42	0.79	0.76
IN†	1.14	4.43	6.64	4.25	4.76	3.31	4.34	2.93	1.46	1.64	0.91	0.85

CAL YR 1972 TOTAL 412,922 MEAN 2,221 MAX [illegible] MIN [illegible] MEAN† 2,222 CFSM† 3.11 IN† 42.27

WTR YR 1973 TOTAL 7[illegible],587 MEAN [illegible] MAX [illegible] MIN [illegible] MEAN† 1,930 CFSM† 2.70 IN† 36.66

† Change in contents in East Brimfield, Westville, West Thompson, Hodges Village, and Buffumville Reservoirs, equivalent in cubic feet per second; reservoir records furnished by Corps of Engineers.

† Adjusted for change in contents.

01127500 Yantic River at Yantic, Conn.

LOCATION.--Lat 41°33'31", long 72°07'19", New London County, on left bank at Yantic, 700 ft (213 m) downstream from stone-arch highway bridge, 1 mile (2 km) downstream from Susquetonscut Brook, and 4.8 miles (7.7 km) upstream from south.

DRAINAGE AREA.--90.0 mi² (233.1 km²).

PERIOD OF RECORD.--October 1930 to current year.

GAGE.--Water-stage recorder. Datum of gage is 94.46 ft (28.791 m) above mean sea level.

AVERAGE DISCHARGE.--43 years, 157 ft³/s (4.446 m³/s), 23.69 in/yr (602 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,820 ft³/s (193 m³/s) Feb. 3, gage height, 11.61 ft (3.539 m); minimum, 17 ft³/s (0.48 m³/s) Aug. 14, 15, gage height, 1.12 ft (0.341 m).

Period of record: Maximum discharge, 13,500 ft³/s (382 m³/s) Sept. 21, 1938, gage height, 14.66 ft (4.468 m), from floodmark, by computation of flow over two dams 2.4 miles (4.0 km) upstream and 3.0 miles (4.8 km) downstream from station, respectively; minimum, 2.2 ft³/s (0.062 m³/s) Aug. 30, 1963; minimum gage height, 0.41 ft (0.012 m³/s) Oct. 13, 1930; minimum daily discharge, 2.3 ft³/s (0.065 m³/s) Aug. 30, 1963.

PEAK DISCHARGE.--(BASE, 1,000 ft³/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-09	0800	6.97	1,780	12-22	2200	5.38	1,150
11-15	0100	6.45	1,520	01-01	1000	6.57	1,580
11-20	1300	6.24	1,420	02-03	0100	11.61	6,820
11-26	1800	6.23	1,420	04-05	0700	5.36	1,060
12-07	0100	9.16	3,380	05-21	1100	5.27	1,010

REMARKS.--Records excellent. Low flow regulated by mills upstream. Records of water quality for current year are published in Part 2 of this report. See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	94	500	1,250	140	154	273	224	155	421	31	51
2	22	97	470	924	1,240	161	470	108	131	399	35	70
3	25	150	342	635	4,190	175	655	184	104	147	152	66
4	29	140	274	545	1,310	325	544	267	97	131	47	40
5	27	112	664	547	760	363	424	204	94	135	57	33
6	26	102	1,160	493	600	260	440	166	92	131	41	31
7	605	83	2,090	363	457	220	474	150	81	94	31	36
8	561	170	1,000	300	382	424	402	140	75	71	24	34
9	277	1,430	1,140	270	390	400	474	247	63	58	25	28
10	150	451	491	236	287	349	504	423	54	74	23	25
11	111	453	705	220	247	273	455	351	66	106	20	23
12	92	240	559	209	217	246	501	333	42	104	22	21
13	118	236	488	185	187	241	342	266	54	43	22	19
14	84	450	487	159	184	216	241	197	140	35	14	21
15	54	1,210	424	175	347	200	242	175	70	119	450	84
16	50	707	383	124	383	146	241	210	56	141	464	71
17	71	454	554	151	274	310	228	181	49	73	253	64
18	67	305	474	171	270	706	217	175	41	53	98	83
19	57	240	410	174	243	572	213	173	41	45	84	191
20	41	270	194	148	220	344	215	158	40	38	57	108
21	175	462	454	145	240	248	188	427	34	113	51	59
22	171	555	742	218	252	265	174	678	45	153	58	45
23	61	336	1,010	540	237	242	172	380	82	45	53	134
24	54	262	496	496	147	223	144	303	70	55	42	120
25	53	236	701	284	173	210	156	264	57	63	36	85
26	51	480	603	213	172	240	312	223	44	44	32	54
27	94	1,080	554	202	154	443	421	202	51	45	35	54
28	83	546	556	208	155	314	407	222	124	40	43	48
29	164	416	415	193	------	224	445	300	114	40	37	42
30	170	413	354	190	------	202	241	213	394	37	30	38
31	121	------	340	190	------	203	------	173	------	33	28	------
TOTAL	3,435	14,105	20,434	11,188	12,471	9,394	12,045	8,136	2,641	3,445	2,441	1,778
MEAN	111	470	659	361	446	303	403	262	85.4	112	78.7	59.3
MAX	561	1,430	2,090	1,250	4,190	706	678	427	399	421	464	191
MIN	22	83	274	124	155	154	144	140	34	33	19	19
CFSM	1.23	5.22	7.33	4.01	5.54	3.37	4.48	2.91	.95	1.24	.87	.66
IN.	1.42	5.83	8.48	4.71	5.77	3.88	4.98	3.36	1.09	1.43	1.01	.73

CAL YR 1972 TOTAL 114,355 MEAN 314 MAX 2,370 MIN 19 CFSM 3.49 IN 46.56
WTR YR 1973 TOTAL 102,845 MEAN 281 MAX 4,190 MIN 19 CFSM 3.11 IN 42.14

Reservoirs in Thames River basin

01119259. STAFFORDVILLE RESERVOIR.--Lat 41°59'46", long 72°15'37", Tolland County., on Furnace Brook in Willimantic River basin, at Staffordville. Drainage area, 8.34 mi^2 (21.60 km^2). Usable capacity, 75,500,000 ft^3 (2,140,000 m^3), based on reservoir survey by Connecticut Board of Fisheries and Game. Records available, September 1960 to current year. Dam was rebuilt after 1886 flood for storage of water for power and industrial supply.

01121500. MANSFIELD HOLLOW LAKE.--Lat 41°45'22", long 72°10'57", Tolland County, Conn., on Natchaug River at Mansfield Hollow, 3.5 miles (5.6 km) northeast of Willimantic. Drainage area, 160 mi^2 (414 km^2). Usable capacity, 2,260,000,000 ft^3 (64,000,000 m^3), including 90,000,000 ft^3 (3,000,000 m^3) storage in recreation pool. Records available, March 1952 to current year. Completed in 1952 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01123350. EAST BRIMFIELD LAKE.--Lat 42°06'32", long 72°07'35", Worcester County, Mass., on Quinebaug River, 0.7 mile (1.1 km) southeast of Fiskdale, 1.2 miles (1.9 km) east of East Brimfield. Drainage area, 67.5 mi^2 (174.8 km^2). Usable capacity, 1,400,000,000 ft^3 (40,000,000 m^3), including 83,000,000 ft^3 (2,400,000 m^3) storage in recreation and conservation pool. Records available, July 1960 to current year. Completed in 1960 by Corps of Engineers for storage of water for recreation, conservation, and flood control. Records furnished by Corps of Engineers.

01123550. WESTVILLE LAKE.--Lat 42°04'55", long 72°03'28", Worcester County, Mass., on Quinebaug River, 1.3 miles (2.1 km) west of Southbridge. Drainage area, 99.1 mi^2 (256.7 km^2). Usable capacity, 484,000,000 ft^3 (13,700,000 m^3), including 4,400,000 ft^3 (120,000 m^3) storage in recreation pool. Records available, February 1962 to current year. Completed in 1962 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01124150. WEST THOMPSON LAKE.--Lat 41°56'40", long 71°54'00", Windham County, Conn., on Quinebaug River above mouth of French River, at West Thompson. Drainage area, 172 mi^2 (445 km^2). Usable capacity, 1,170,000,000 ft^3 (33.1 hm^3), including 52,000,000 ft^3 (1,500,000 m^3) storage in recreation pool. Records available, July 1965 to current year. Completed in 1965 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01124300. HODGES VILLAGE RESERVOIR.--Lat 42°07'09", long 71°52'51", Worcester County, Mass., on French River at Hodges Village. Drainage area, 31.1 mi^2 (80.5 km^2). Usable capacity, 577,000,000 ft^3 (16,300,000 m^3). Records available, February 1960 to current year. Completed in 1960 by Corps of Engineers for storage of water for flood control. Records furnished by Corps of Engineers.

01124400. BUFFUMVILLE LAKE.--Lat 42°06'58", long 71°54'29", Worcester County, Mass., on Little River in French River basin, at Buffumville, 2.2 miles (3.5 km) west of Oxford. Drainage area, 26.5 mi^2 (68.6 km^2). Usable Capacity, 555,000,000 ft^3 (15,700,000 m^3), including 61,000,000 ft^3 (1,700,000 m^3) storage in recreation pool. Records available, September 1958 to current year. Completed in 1958 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

Month-end usable contents, in millions of cubic feet, water year October 1972 to September 1973

Date	Staffordville Reservoir	Mansfield Hollow Lake	East Brimfield Lake	Westville Lake
Sept. 30, 1972....	75.5	31.0	104.4	4.7
Oct. 31.....	75.5	36.0	107.7	5.3
Nov. 30.....	75.5	46.2	122.1	6.7
Dec. 31.....	75.5	40.5	117.6	6.7
Jan. 31, 1973.....	75.5	48.8	116.0	6.6
Feb. 28.....	75.5	42.8	111.0	5.8
Mar. 31.....	75.5	55.5	114.3	6.2
Apr. 30.....	75.5	153.8	148.1	6.4
May 31.....	75.5	147.4	109.3	6.2
June 30.....	75.5	143.2	114.3	6.4
July 31.....	75.3	122.8	104.4	4.9
Aug. 31.....	74.6	118.8	102.7	4.7
Sept. 30.....	74.9	28.1	107.7	5.2

Date	West Thompson Lake	Hodges Village Reservoir	Buffumville Lake
Sept. 30, 1972....	57.5	0.5	62.7
Oct. 31.....	62.8	.6	62.7
Nov. 30.....	79.5	2.4	71.4
Dec. 31.....	78.4	2.1	69.7
Jan. 31, 1973.....	79.5	1.5	66.2
Feb. 28.....	51.1	1.1	67.1
Mar. 31.....	75.3	1.3	64.5
Apr. 30.....	79.5	2.8	74.3
May 31.....	75.3	1.6	64.5
June 30.....	75.3	2.4	72.4
July 31.....	58.6	.9	61.6
Aug. 31.....	55.4	.7	58.4
Sept. 30.....	63.8	1.4	64.5

01184000 Connecticut River at Thompsonville, Conn.

LOCATION.--Lat 41°59'14", long 72°36'21", Hartford County, on right bank just upstream from Enfield Dam, 1 mi (2 km) downstream from Thompsonville, 3 mi (5 km) downstream from Massachusetts-Connecticut State line, and at mile 68.2 (kilometer 109.7).

DRAINAGE AREA.--9,661 mi² (25,022 km²).

PERIOD OF RECORD.--July 1928 to current year.

GAGE.--Water-stage recorders on river and on canal of Connecticut Light and Power Co. Datum of gage is 38.48 ft (11.729 m) above mean sea level.

AVERAGE DISCHARGE.--45 years, 16,180 ft³/s (458.2 m³/s) 22.74 in/yr (578 mm/yr), adjusted for storage and diversion.

EXTREMES.--Current year: Maximum discharge, 100,000 ft³/s (2,830 m³/s) Mar. 19 (gage height, 7.04 ft or 2.146 m); minimum daily, 2,080 m³/s (58.9 m³/s) Sept. 3.
Period of record: Maximum discharge, 282,000 ft³/s (7,990 m³/s) Mar. 20, 1936 (gage height, 16.6 ft or 5.06 m, from floodmarks); minimum daily, 968 ft³/s (27.4 m³/s) Oct. 20, 1963.

REMARKS.--Records good. Discharge includes water diverted around station by canal of Connecticut Light & Power Co. Flow regulated by powerplants, by diversion from Chicopee River basin (see table below), and by First Connecticut and Second Connecticut Lakes, Lake Francis, Moore and Comerford Reservoirs, Quabbin Reservoir (see p.), and other reservoirs (combined usable capacity, 107,000,000,000 ft³ or 3,030,000,000 m³). Records of chemical analyses and water temperatures for the current year for this station and for station 01183750 (Connecticut River at Agawam, Mass.), 4.5 mi (7.2 km) upstream, are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 741: 1932. WSP 891: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,220	8,090	29,800	21,000	21,130	13,100	26,400	29,630	29,320	79,100	9,610	8,860
2	3,760	7,350	25,900	29,700	20,400	12,800	68,530	26,600	26,900	95,900	9,940	4,080
3	3,140	8,750	23,000	31,300	38,630	13,400	73,000	26,900	24,400	90,700	24,600	2,080
4	2,980	11,000	19,900	30,100	55,100	14,200	77,630	27,900	23,200	78,730	18,200	4,730
5	3,290	10,120	18,030	26,400	52,300	15,600	73,900	22,700	17,590	72,900	11,100	7,570
6	3,880	5,160	20,500	25,000	47,300	17,000	63,230	23,600	15,500	70,300	7,140	6,210
7	5,030	10,500	29,400	16,600	41,000	19,300	58,630	21,600	18,900	55,000	8,320	5,220
8	12,300	11,400	41,900	16,500	36,230	21,700	52,130	19,700	18,800	45,200	7,640	4,520
9	11,500	18,200	37,900	14,900	33,130	30,600	43,630	18,600	18,700	40,830	7,130	3,060
10	8,080	29,600	35,100	12,500	26,900	39,600	41,900	18,900	13,500	34,600	8,030	3,920
11	6,490	24,500	34,100	14,300	20,700	39,300	45,600	23,100	9,400	24,000	7,240	4,280
12	5,350	22,800	29,500	15,900	18,130	35,700	41,630	26,700	12,200	20,100	7,190	5,380
13	5,540	17,900	25,400	16,200	18,600	45,700	33,830	31,200	14,800	17,400	6,170	4,580
14	5,360	17,200	24,700	13,600	17,400	62,200	30,500	27,600	18,500	15,300	7,130	3,950
15	5,370	19,900	24,400	11,000	19,100	62,800	26,100	24,600	19,700	13,200	5,930	5,110
16	4,980	18,300	21,500	11,300	21,000	53,000	23,330	24,300	17,100	13,500	7,260	2,780
17	4,530	14,700	14,300	14,500	15,800	56,800	26,430	30,400	15,400	12,100	7,050	3,910
18	6,850	13,400	15,000	14,700	16,400	86,500	33,930	30,400	22,000	10,600	4,530	7,160
19	6,540	16,600	14,700	14,600	15,400	97,400	36,630	35,300	27,700	10,100	3,960	8,530
20	7,060	12,200	16,900	17,000	15,900	85,300	33,730	30,500	21,200	8,970	5,400	8,770
21	6,130	22,800	18,300	23,100	17,000	73,700	34,400	37,300	17,000	10,500	4,610	8,850
22	5,850	24,100	19,200	26,600	17,430	63,400	33,630	58,400	19,100	9,190	4,950	8,080
23	7,840	18,900	23,100	36,400	17,300	51,600	27,530	65,500	16,200	7,300	5,020	6,060
24	3,710	14,300	17,800	54,530	17,030	39,300	32,930	63,700	16,500	7,170	5,090	9,330
25	4,560	13,200	14,500	54,500	15,630	31,600	35,430	50,300	17,000	6,310	4,170	9,320
26	4,560	17,200	15,100	49,900	11,700	37,200	33,300	39,700	15,200	7,230	3,370	9,050
27	4,300	38,900	16,600	40,200	13,530	41,500	33,533	[illegible],830	12,700	6,470	3,470	6,990
28	4,060	42,200	16,300	32,500	14,400	46,600	33,700	28,700	14,600	9,060	5,510	7,130
29	4,170	36,500	15,900	28,400	------	42,600	37,030	26,900	16,700	7,080	6,090	5,660
30	5,890	33,000	14,400	23,900	------	34,900	31,630	28,630	37,600	6,520	5,970	4,560
31	8,330	------	14,700	22,900	------	25,600	------	27,500	------	7,370	7,130	------
TOTAL	174,550	556,750	691,600	759,800	679,700	1,310,2[illegible]	1,218,4[illegible]	982,200	556,100	993,170	226,960	179,300
MEAN	5,602	18,560	22,310	24,510	24,133	42,260	41,610	31,680	18,870	28,810	7,321	5,977
MAX	12,300	42,200	41,600	54,500	55,100	97,400	77,430	65,500	37,600	96,900	24,600	9,330
MIN	2,140	7,350	14,000	11,000	11,700	12,800	23,330	18,400	9,400	6,310	3,370	2,080
(†)	475	126	.25	.40	6.47	2.70	0	0	146	395	415	510
MEAN‡	5,790	20,010	22,110	24,210	22,400	43,940	44,770	33,410	21,190	26,800	6,728	5,227
CFSM‡	.60	2.07	2.29	2.51	2.32	4.55	4.63	3.46	2.19	2.77	.70	.54
IN.‡	.69	2.31	2.64	2.89	2.42	5.25	5.17	3.99	2.45	3.20	.80	.60

CAL YR 1972 TOTAL 7,[illegible] MEAN 19,7[illegible] MAX 80,[illegible] MIN 3,730 MEAN‡ 20,340 CFSM‡ 2.11 IN‡ 28.66
WTR YR 1973 TOTAL 4,733,[illegible] MEAN 22,5[illegible] MAX 97,400 MIN 2,080 MEAN‡ 23,060 CFSM‡ 2.39 IN‡ 32.41

M Expressed in thousands.
† Diversion, in cubic feet per second, from Chicopee River basin to Wachusett Reservoir.
‡ Adjusted for change in contents in all reservoirs from First Connecticut and Second Connecticut Lakes to Borden Brook and Cobble Mountain Reservoirs listed on page and for diversion from Chicopee River basin.

01184490 Broad Brook at Broad Brook, Conn.

LOCATION.--Lat 41°54'50", long 72°33'00", Hartford County, on left bank just upstream from bridge on State Highway 191 (Mill Street) at Broad Brook, 0.5 mile (0.8 km) upstream from mouth.

DRAINAGE AREA.--15.6 mi^2 (40.4 km^2).

PERIOD OF RECORD.--August 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 53.24 ft (16.228 m) above mean sea level.

AVERAGE DISCHARGE.--12 years, 21.1 ft^3/s (0.598 m^3/s), 18.37 in/yr (467 mm/yr).

EXTREMES.--Current year: Maximum discharge, 708 ft^3/s (20.1 m^3/s) June 30, gage height, 4.93 ft (1.503 m); minimum, 5.2 ft^3/s (0.15 m^3/s) July 14; minimum gage height, 0.86 ft (0.262 m) Oct. 6.

Period of record: Maximum discharge, 802 ft^3/s (22.7 m^3/s) Feb. 3, 1970, gage height, 5.31 ft (1.618 m): minimum, 1.35 ft^3/s (0.038 m^3/s) Jan. 1, 1965, gage height, 0.43 ft (0.131 m); minimum daily, 1.70 ft^3/s (0.048 m^3/s) July 17, 1965.

PEAK DISCHARGE.--(BASE, 150 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
12-07	0400	2.84	268	03-08	2130	2.60	220
01-01	1330	3.00	300	05-21	1130	2.26	152
01-23	0630	2.52	204	06-30	1600	4.93	708
02-03	0130	4.92	705	09-06	1900	3.22	344

REMARKS.--Records good. Flow regulated by reservoir and mill upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	13	61	226	29	28	35	38	28	90	15	13
2	14	16	38	101	99	30	130	35	27	39	20	11
3	14	22	29	60	362	31	70	34	24	28	21	10
4	14	18	28	59	104	58	60	38	24	28	19	9.7
5	14	15	60	61	74	47	98	35	24	36	16	9.4
6	13	14	98	49	62	39	62	32	22	38	15	148
7	51	14	147	49	56	36	48	30	21	25	14	65
8	43	17	54	37	54	106	45	29	21	22	14	22
9	20	32	63	33	62	103	41	35	20	21	13	18
10	16	20	68	29	45	55	80	33	18	23	14	14
11	15	17	52	28	37	48	65	52	18	24	13	13
12	16	17	40	27	33	47	47	48	18	22	14	13
13	16	15	42	25	31	43	42	33	43	23	12	12
14	15	51	42	25	31	38	40	29	46	9.4	12	13
15	15	71	37	26	32	36	38	38	23	15	13	22
16	14	28	38	27	32	36	37	39	21	22	13	15
17	14	22	30	27	28	54	35	31	19	20	13	13
18	13	20	29	28	37	69	35	36	18	18	13	34
19	15	19	29	30	32	44	34	31	19	18	12	31
20	13	76	31	63	26	37	33	29	18	18	11	18
21	13	39	33	33	30	34	34	97	18	24	11	16
22	13	26	71	36	33	32	35	48	23	23	11	15
23	13	22	68	118	35	31	38	37	27	19	11	21
24	13	21	55	49	31	35	42	33	20	17	11	18
25	13	21	51	38	29	33	32	31	18	17	10	16
26	12	52	48	34	27	55	45	31	17	17	10	15
27	13	38	58	33	27	50	65	29	21	18	10	14
28	13	25	47	32	27	40	104	33	24	16	11	14
29	15	23	37	31	------	35	56	35	31	15	11	14
30	15	23	35	30	------	32	43	28	244	15	10	13
31	12	------	53	30	------	30	------	31	------	15	12	------
TOTAL	505	807	1,572	1,474	1,585	1,392	1,589	1,122	915	727.4	485	660.1
MEAN	16.3	26.9	50.7	47.5	53.8	44.9	52.3	36.2	30.5	23.5	13.1	22.0
MAX	51	76	147	226	362	106	130	97	244	90	21	148
MIN	12	13	28	25	26	28	32	28	17	9.4	10	9.4
CFSM	1.04	1.72	3.25	3.04	3.45	2.88	3.35	2.32	1.96	1.51	.84	1.41
IN.	1.20	1.92	3.75	3.51	3.59	3.32	3.74	2.68	2.18	1.73	.97	1.57

CAL YR 1972 TOTAL 12,332.0 MEAN 33.7 MAX 487 MIN 12 CFSM 2.16 IN 29.41
WTR YR 1973 TOTAL 12,653.5 MEAN 34.7 MAX 362 MIN 9.4 CFSM 2.22 IN 30.17

01186000 West Branch Farmington River at Riverton, Conn.

LOCATION.--41°57'46", long 73°01'05", Litchfield County, on right bank at downstream side of bridge on State Highway 20 at Riverton, 0.3 mi (0.5 km) upstream from Still River, 2.0 mi (3.2 km) downstream from Goodwin Dam of West Branch Reservoir, and at mile 55.0 (88.5 km).

DRAINAGE AREA.--131 mi^2 (339 km^2).

PERIOD OF RECORD.--August 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 485.60 ft (14,801 m) above mean sea level. Prior to Mar. 29, 1957, nonrecording gage at same site and datum.

AVERAGE DISCHARGE(adjusted for storage).--18 years, 236 ft^3/s (6.684 m^3/s), 24.47 in/yr (622 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,220 ft^3/s (34.6 m^3/s) Mar. 20, gage height, 6.05 ft (1,844 m); minimum, 55 ft^3/s (1.56 m^3/s), Feb. 27, Aug. 8, gage height, 3.02 ft (0.920 m).

Period of record: Maximum discharge observed, 10,600 ft^3/s (300 m^3/s), gage height, 12.47 ft (3.801 m); minimum discharge, 0.9 ft^3/s (0.026 m^3/s) July 21, 1960; minimum gage height, 2.43 ft (0.741 m) Sept. 16, 1957.

Flood of Aug. 19, 1955, reached a stage of 21.1 ft (6.431 m), from floodmarks, discharge, 57,200 ft^3/s (162 m^3/s), by slope-area measurement 1.5 mi (2.4 km) upstream.

REMARKS.--Records excellent. Flow regulated by Otis and West Branch Reservoirs and Colebrook River Lake (see p. 67). See REVISIONS summary paragraph in WDP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	330	369	439	355	220	141	411	372	505	182	95	453
2	330	103	414	302	250	143	515	281	440	404	139	459
3	330	112	411	254	355	149	529	224	318	510	197	460
4	333	107	411	224	145	172	490	222	238	648	243	456
5	337	106	414	224	104	176	441	213	217	681	238	466
6	337	103	505	216	473	168	608	212	207	553	238	471
7	377	102	479	210	919	171	743	235	188	678	235	474
8	366	141	403	210	1,100	252	936	255	186	719	176	474
9	352	227	440	210	1,050	230	962	275	182	716	191	474
10	351	153	427	206	943	228	776	298	179	705	240	474
11	399	142	408	210	600	221	531	544	171	646	327	507
12	470	140	392	208	350	233	729	732	168	541	324	521
13	479	137	380	207	250	240	822	688	171	371	290	500
14	470	196	354	207	329	387	719	384	169	301	252	499
15	475	198	348	207	273	619	366	311	170	304	241	505
16	478	184	344	210	257	649	378	366	192	243	225	502
17	478	176	343	210	250	540	244	347	190	197	427	502
18	459	174	341	210	250	595	286	506	219	187	555	503
19	425	171	341	190	250	807	290	528	270	156	539	499
20	424	249	304	212	241	1,050	235	533	258	154	400	494
21	428	205	225	181	231	1,190	185	605	248	188	357	494
22	429	241	268	200	202	740	184	548	248	159	366	495
23	428	365	260	317	340	375	174	660	246	155	453	498
24	361	365	247	232	559	335	164	425	246	153	428	498
25	279	365	243	234	555	312	155	653	244	138	468	497
26	207	500	240	231	356	353	199	514	243	98	78	500
27	167	428	246	230	73	378	327	375	242	114	291	506
28	100	392	262	224	108	410	356	272	241	111	487	505
29	100	393	258	220	------	406	270	434	277	101	474	503
30	241	485	251	220	------	404	327	516	340	96	456	507
31	530	------	269	220	------	404	------	510	------	95	456	------
TOTAL	11,260	6,949	10,467	7,001	11,088	12,498	13,307	13,470	7,283	10,400	10,078	14,693
MEAN	363	232	344	226	396	403	444	435	243	335	325	490
MAX	530	500	505	355	1,100	1,190	962	825	505	719	428	521
MIN	100	102	225	181	73	141	155	212	168	95	78	453
(†)	-253	+207	+188	+202	-15	+200	+54	+4	-62	-51	-174	-412.5
MEAN†	110	439	532	428	381	603	498	439	181	284	151	77.5
CFSM†	0.84	3.35	4.06	3.27	2.91	4.61	3.80	3.35	1.38	2.17	1.15	0.59
IN†	0.97	3.74	4.68	3.77	3.03	5.31	4.24	3.86	1.54	2.50	1.33	0.66

CAL YR 1972 TOTAL 139,938 MEAN 382 MAX 2,090 MIN 52 MEAN† 391 CFSM† 2.98 IN† 40.56
WTR YR 1973 TOTAL 128,094 MEAN 353 MAX 1,190 MIN 73 MEAN† 344 CFSM† 2.63 IN† 35.63

†Change in contents in Otis and West Branch Reservoirs and Colebrook River Lake, equivalent in cubic feet per second; records furnished by the Massachusetts Department of Natural Resources, Division of Forests and Parks, Hartford Metropolitan District Commission, and Corps of Engineers.

†Adjusted for change in contents.

01186400 Sandy Brook at Robertsville, Conn.

LOCATION.--Lat 41°58'42", long 73°02'44", Litchfield County, on right bank at downstream side of bridge on State Highway 8 at Robertsville, 0.7 mi (1.1 km) upstream from mouth, 1.7 mi (2.7 km) downstream from Wrights Brook, and 1.8 mi (2.9 km) northwest of Riverton.

DRAINAGE AREA.--34.9 mi^2 (90.4 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1961-67. October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 561.76 ft (171.224 m) above mean sea level.

AVERAGE DISCHARGE.--6 years, 79.9 ft^3/s (2.263 m^3/s), 31.09 in/yr (790 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,020 ft^3/s (28.9 m^3/s) Feb. 3, gage height, 4.89 ft (1.490 m); minimum, 5.0 ft^3/s (0.14 m^3/s) Aug. 27; minimum gage height, 0.92 ft (0.280 m) Sept. 13, 14.

Period of record: Maximum discharge, 1,350 ft^3/s (38.2 m^3/s) Apr. 23, 1969, gage height, 5.55 ft (1.692 m); minimum, 1.6 ft^3/s (0.045 m^3/s) July 28, 29, 1971; minimum gage height observed, 0.53 ft (0.162 m) Sept. 4, 1964.

Flood of Aug. 19, 1955, reached a discharge of 10,100 ft^3/s (286 m^3/s), by contracted-opening measurement 1 mi (2 km) upstream, drainage area, 34.1 mi^2 (88.3 km^2), revised.

REMARKS.--Records excellent except those for period of ice effect, which are good, and those for period of no gage-height record, which are fair.

PEAK DISCHARGE.--(BASE, 700 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-26	1230	4.37	798	05-17	1730	4.16	715
12-06	2130	4.39	806	06-30	0900	4.18	723
01-21	0930	4.58	882	07-05	0900	4.45	830
02-03	0100	4.89	1,020				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	17	154	460	85	33	131	40	93	225	20	29
2	11	18	126	341	200	42	405	70	76	112	185	20
3	11	54	108	172	833	58	297	70	62	68	167	24
4	11	56	105	130	448	115	246	90	52	76	98	22
5	9.4	47	106	121	262	168	374	70	43	454	60	16
6	8.3	42	300	85	175	150	262	60	36	244	40	14
7	107	33	511	55	134	122	148	60	35	123	27	12
8	150	89	271	54	115	315	142	55	31	77	21	9.9
9	98	203	343	52	95	387	121	48	29	61	16	8.5
10	63	115	309	58	79	206	261	95	23	50	14	7.3
11	52	80	225	47	73	199	265	200	21	38	13	6.5
12	41	47	154	45	70	200	173	140	20	30	18	6.2
13	33	55	147	43	65	219	128	100	59	24	16	5.7
14	26	121	143	43	61	163	105	85	61	22	13	6.9
15	23	174	117	43	60	141	91	75	43	26	11	26
16	22	110	113	47	58	137	80	100	34	30	17	22
17	21	102	92	53	56	367	72	85	30	25	19	16
18	29	86	85	62	54	437	67	200	23	21	14	20
19	33	72	78	89	52	241	74	160	22	18	13	23
20	33	193	73	568	52	187	48	130	20	17	12	17
21	32	154	69	666	49	132	68	350	19	31	10	14
22	31	100	141	497	50	112	59	250	19	37	8.4	12
23	22	74	165	427	45	108	57	150	20	27	7.6	40
24	17	63	128	265	42	96	59	113	19	20	7.0	38
25	15	55	107	160	39	94	51	94	16	18	6.4	32
26	15	453	97	125	35	193	70	79	16	14	7.4	25
27	19	424	90	110	34	181	120	77	18	43	5.3	17
28	17	239	82	105	33	118	160	89	38	72	7.0	15
29	17	185	78	97	------	92	120	199	71	49	17	13
30	18	123	68	92	------	80	90	140	474	35	9.3	11
31	18	------	129	98	------	76	------	110	------	27	8.9	------
TOTAL	1,003.7	3,584	4,697	5,195	3,354	5,022	4,416	3,855	1,523	2,112	883.3	534.0
MEAN	32.4	119	152	168	120	162	147	124	50.8	68.1	28.5	17.8
MAX	150	453	511	666	833	437	405	350	474	454	185	40
MIN	8.3	17	68	43	33	33	51	55	16	14	5.3	5.7
CFSM	.93	3.41	4.36	4.81	3.44	4.64	4.21	3.54	1.46	1.95	.82	.51
IN.	1.07	3.85	5.01	5.54	3.58	5.35	4.71	3.48	1.62	2.25	.94	.57

CAL YR 1972 TOTAL 40,075.5 MEAN 109 MAX 700 MIN 6.2 CFSM 3.12 IN 42.76
WTR YR 1973 TOTAL 35,440.0 MEAN 96.5 MAX 437 MIN 5.3 CFSM 2.82 IN 38.33

01186500 Still River at Robertsville, Conn.

LOCATION.--Lat 41°58'04", long 73°02'04", Litchfield County, on left bank 1,500 ft (457 m) downstream from Sandy Brook, 1 mi (2 km) southeast of Robertsville, 1 mi (2 km) northwest of Riverton, and 1 mi (2 km) upstream from mouth.

DRAINAGE AREA.--84.7 mi² (219.4 km²).

PERIOD OF RECORD.--July 1948 to September 1967, July 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 510.24 ft (155.521 m) above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--23 years, 166 ft³/s (4.701 m³/s), 26.61 in/yr (676 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,560 ft³/s (72.5 m³/s) Feb. 2, 3; maximum gage height, 6.53 ft (1.990 m) Feb. 2 (backwater from ice); minimum discharge, 17 ft³/s (0.48 m³/s) Sept. 9-10, gage height, 1.48 ft (0.451 m).

Period of record: Maximum discharge, 44,000 ft³/s (1,250 m³/s) Aug. 19, 1955, gage height, 16.48 ft (5.023 m), from floodmark, from rating curve extended above 5,600 ft³/s (159 m³/s) on basis of slope-area measurement of peak flow; minimum, 0.20 ft³/s(0.006 m³/s) Sept. 14, 1957; minimum daily, 0.30 ft³/s (0.008 m³/s) Sept. 14, 1957; minimum gage height, 0.29 ft (0.088 m) Aug. 8, 1955.

REMARKS.--Records excellent except those below 200 ft³/s (5.66 m³/s)during winter periods, which are good. Flow regulated by power plant, Mad River and Sucker Brook Detention Reservoirs, and Highland Lake (see p. 67). See REVISIONS summary paragraph in WDP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	55	426	942	140	100	315	224	208	482	45	50
2	45	78	323	760	500	125	493	185	153	218	268	44
3	44	153	264	447	1,440	136	612	143	174	130	242	53
4	34	103	278	391	1,030	242	544	236	134	171	165	63
5	34	94	315	381	729	349	457	174	122	260	103	46
6	40	100	710	267	481	342	540	153	110	461	74	51
7	313	86	1,160	208	340	240	348	159	110	256	56	60
8	344	178	655	180	300	642	310	143	105	146	44	19
9	195	484	726	160	270	540	284	204	72	126	40	18
10	126	272	663	140	200	411	511	248	51	95	34	17
11	97	177	523	130	180	331	383	530	79	62	24	41
12	80	176	388	125	170	426	340	366	74	54	37	81
13	72	145	346	120	150	450	314	264	178	56	36	67
14	45	372	385	120	151	369	247	227	122	52	34	74
15	57	517	319	130	135	354	217	141	94	58	56	100
16	68	304	287	135	150	348	216	264	68	48	47	48
17	85	237	244	138	120	742	190	218	60	50	51	42
18	79	187	265	143	110	935	187	523	52	51	32	46
19	78	160	242	175	110	542	142	411	54	44	29	48
20	74	534	722	414	127	406	140	338	51	40	40	58
21	57	483	208	275	123	346	153	474	50	54	55	77
22	52	265	180	303	128	247	140	369	50	74	35	54
23	51	180	340	996	122	246	137	392	51	62	44	105
24	48	152	289	520	92	210	170	312	47	55	37	104
25	46	141	254	329	89	204	151	265	43	42	22	47
26	44	401	231	264	90	467	142	206	41	35	21	46
27	55	400	245	222	40	416	315	292	44	71	25	77
28	34	499	220	215	40	246	422	233	45	144	43	71
29	51	352	184	215	------	241	321	422	170	40	48	66
30	47	276	159	210	------	220	242	102	463	73	43	62
31	41	------	212	200	------	199	------	257	------	34	41	------
TOTAL	2,511	8,481	11,623	9,285	8,293	11,347	10,372	9,195	4,554	4,195	1,455	2,087
MEAN	80.7	283	375	300	294	366	346	303	119	135	47.1	69.6
MAX	344	401	1,160	996	1,440	935	842	474	463	260	242	104
MIN	24	55	159	120	89	100	140	143	41	35	21	18
(†)	-3.8	+12.5	-0.3	+0.8	+6.5	+2.2	+13.2	-4.5	+9.9	-1.3	-14.7	-24.8
MEAN §	76.9	296	374	299	300	370	359	298	129	134	48.4	44.8
CFSM §	0.91	3.49	4.42	3.53	3.54	4.37	4.24	3.52	1.52	1.58	0.57	0.53
IN§	1.05	3.89	5.10	4.07	3.69	5.04	4.73	4.06	1.70	1.82	0.66	0.59

CAL YR 1972 TOTAL 90,336 MEAN 247 MAX 1,430 MIN 14 MEAN§ 262 CFSM§ 3.09 IN§ 42.18
WTR YR 1973 TOTAL 83,036 MEAN 228 MAX 1,960 MIN 18 MEAN§ 227 CFSM§ 2.68 IN§ 36.40

† Change in contents in Mad River and Sucker Brook Detention Reservoirs, and Highland Lake, equivalent in cubic feet per second; contents furnished by Corps of Engineers and Union Pin Company.

§ Adjusted for change in contents.

01187300 Hubbard River near West Hartland, Conn.

LOCATION.--Lat 42°02'14", long 72°56'22", Hartford County, on left bank at Massachusetts-Connecticut State Line, 800 ft (244 m) upstream from bridge on State Highway 20, 0.5 mile (0.8 km) upstream from confluence with Valley Brook, and 2.6 miles (4.2 km) northeast of West Hartland.

DRAINAGE AREA.--19.9 mi² (51.5 km²).

PERIOD OF RECORD.--January 1938 to September 1955, September 1956 to current year. Monthly discharge only for periods January 1938 to September 1955, October 1956 to September 1960, published in WSP 1721. Daily figures for the periods January 1938 to September 1955, September 1956 to September 1960, available upon request.

GAGE.--Water-stage recorder and stepped sharp-crested weir. Datum of gage is 594.62 ft (181.240 m) above mean sea level.

AVERAGE DISCHARGE.--34 years, 37.9 ft³/s (1.073 m³/s), 25.86 in/yr (657 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,100 ft³/s (31.2 m³/s) Feb. 3, gage height, 6.98 ft (1.981 m); minimum, 1.5 ft³/s (0.042 m³/s) Aug. 26-28, Sept. 16, gage height, 0.20 ft (0.061 m).

Period of record: Maximum discharge, 10,500 ft³/s (297 m³/s) Aug. 19, 1955, gage height, 16.5 ft (5.03 m), from rating curve extended above 300 ft³/s (8.50 m³/s) on basis of contracted-opening measurement of peak flow; minimum daily, 0.2 ft³/s (0.006 m³/s) Sept. 10, 1953, Aug. 16-21, 1957.

PEAK DISCHARGE.--(BASE, 500 ft³/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-08	2200	5.00	585	02-03	0100	6.98	1,100
11-26	1200	5.62	766	03-17	1800	5.63	769
12-06	2000	5.60	760	06-20	0730	6.12	948
01-23	0030	5.28	640	07-05	1200	4.69	505

REMARKS.--Records good.

COOPERATION.--Gage-height record furnished by Water Bureau, Metropolitan District Commission, Hartford, Connecticut.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	8.0	76	295	31	15	86	39	31	125	5.8	2.6
2	3.8	20	59	106	129	23	275	32	26	95	51	7.1
3	3.0	67	53	79	599	27	192	39	21	32	55	5.3
4	3.6	29	53	86	170	46	190	43	18	123	24	5.3
5	2.9	26	53	83	37	90	215	39	20	319	15	4.3
6	2.7	70	257	61	70	86	130	29	16	116	10	4.1
7	60	22	252	37	60	71	95	24	15	85	7.9	4.0
8	24	139	90	35	55	180	67	21	13	39	6.3	3.6
9	24	256	149	37	41	155	57	40	11	25	5.6	2.8
10	15	79	150	90	28	115	110	53	9.7	21	5.1	2.6
11	10	52	117	25	20	91	122	124	8.2	16	4.3	2.3
12	8.6	40	72	26	20	148	77	76	7.2	13	4.1	2.0
13	9.3	37	74	21	29	160	61	55	27	10	3.8	1.9
14	7.0	132	65	23	20	104	57	41	35	9.1	3.7	2.0
15	5.5	113	55	20	27	85	44	33	15	12	3.1	6.9
16	7.8	62	47	23	25	93	37	61	11	14	4.8	6.8
17	6.7	46	47	20	30	640	35	45	3.5	11	5.0	3.5
18	6.3	37	65	23	26	727	32	100	6.9	9.1	4.1	5.3
19	5.8	30	99	82	20	99	33	78	3.1	7.6	3.5	7.6
20	5.8	171	37	102	24	24	27	63	8.0	6.2	3.0	4.6
21	5.3	137	34	24	23	63	24	245	7.6	12	2.6	3.7
22	5.2	63	37	62	22	54	23	93	7.5	16	2.3	3.3
23	5.7	43	83	340	22	49	22	54	8.2	9.5	2.1	13
24	5.3	37	65	130	21	41	25	45	7.2	7.6	2.3	7.8
25	5.0	35	56	35	20	38	22	38	6.2	6.5	1.9	6.0
26	6.0	910	51	61	19	106	43	33	5.3	6.0	1.6	5.3
27	7.6	94	47	55	18	86	46	50	6.2	18	1.8	6.3
28	7.2	78	40	53	18	61	110	41	65	26	1.6	3.8
29	20	61	31	44	------	53	71	94	35	16	2.3	3.4
30	16	94	29	37	------	49	53	61	527	9.3	1.9	3.0
31	13	------	53	33	------	45	------	41	------	7.1	2.0	------
TOTAL	384.3	2,739.3	3,413	2,165	1,735	3,895	2,349	1,810	1,054.9	1,153.3	246.6	134.3
MEAN	12.4	91.3	110	69.8	62.0	126	78.3	58.4	35.2	37.2	7.95	4.48
MAX	93	910	257	340	599	640	275	245	527	319	55	13
MIN	2.7	6.7	29	23	18	15	22	21	5.3	6.0	1.6	1.9
CFSM	.62	4.59	5.52	3.49	3.36	6.33	3.93	2.93	1.77	1.86	.40	.23
IN.	.72	5.13	6.39	4.05	3.19	7.29	4.39	3.39	1.97	2.17	.46	.25

CAL YR 1972 TOTAL 22,130.40 MEAN 60.5 MAX 500 MIN .73 CFSM 3.04 IN 41.37
WTR YR 1973 TOTAL 18,531.03 MEAN 50.7 MAX 640 MIN 1.6 CFSM 2.55 IN 34.63

01197850 Clear Brook near Collinsville, Conn.

LOCATION.--Lat 41°47'44", long 72°57'06", Hartford County, on right bank 200 ft (30 m) upstream from Nepaug Reservoir beside Clear Brook Road, 1.8 miles (2.9 km) southwest of Collinsville.

DRAINAGE AREA.--About 1 mi^2 (3 km^2), revised.

PERIOD OF RECORD.--January 1917 to September 1973 (discontinued). Monthly discharge only, for the period January 1917 to September 1960, published in WSP 1721. Daily figures for the period January 1921 to September 1960 available upon request.

GAGE.--Water-stage recorder and compound sharp-crested weir. Datum of gage is 491.21 ft (149.721 m) above mean sea level.

AVERAGE DISCHARGE.--56 years: 1.65 ft^3/s (0.0467 m^3/s).

EXTREMES.--Current year: Maximum discharge, 35 ft^3/s (0.99 m^3/s) June 28, gage height, 2.49 ft (0.759 m); minimum daily, 1.4 ft^3/s (0.040 m^3/s), many days in October and November.

Period of record: Maximum discharge, 56.5 ft^3/s (1.60 m^3/s) Aug. 19, 1955, gage height, 2.41 ft (0.735 m), from rating curve extended above 6 ft^3/s (0.17 m^3/s) on basis of theoretical weir rating; minimum daily, 0.19 ft^3/s (0.005 m^3/s) Feb. 22, 23, 1950.

PEAK DISCHARGE.--(BASE, 10 ft^3/s, revised):

DATE	TIME	G.HT	DISCHARGE
11-07	1100	1.49	12
12-06	1800	1.42	10
02-02	1800	1.48	14
04-10	0830	1.42	10
05-18	0400	1.48	11
06-28	2300	1.48	11
07-27	2300	1.62	14
08-13	1330	1.73	16
08-28	1600	2.49	35
09-30	0230	1.74	17
09-03	1400	1.23	26
09-06	1000	1.27	28

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.4	3.1	4.2	2.7	2.7	4.2	3.7	3.3	4.0	2.8	2.4
2	1.7	1.7	2.3	3.1	3.4	2.7	4.3	3.2	3.2	3.6	3.8	2.3
3	1.6	1.7	2.2	3.0	4.7	2.7	3.5	3.4	3.1	3.4	5.0	2.2
4	1.6	1.5	2.2	3.2	3.6	4.0	4.5	3.2	3.2	4.0	3.7	2.2
5	1.6	1.5	2.5	3.2	3.4	3.6	4.0	3.1	3.1	4.7	3.0	2.3
6	1.9	1.4	4.1	3.1	3.3	3.5	3.5	3.1	3.1	3.5	2.9	3.8
7	4.2	1.4	3.1	2.9	3.3	3.5	3.4	3.1	3.1	3.4	2.8	2.0
8	1.8	2.7	2.9	2.7	3.3	4.8	3.4	3.1	3.1	3.2	2.7	2.8
9	1.7	2.3	3.4	2.7	3.2	3.5	3.2	3.6	3.0	3.2	2.5	1.9
10	1.7	1.5	3.2	2.7	3.1	3.5	4.6	3.2	2.9	3.1	2.6	1.9
11	1.7	1.5	2.9	2.7	3.1	3.4	3.7	3.8	2.9	3.7	2.7	1.9
12	1.7	1.5	2.7	2.7	3.1	3.5	3.5	3.3	2.9	3.2	2.8	1.8
13	1.5	1.5	2.9	2.7	3.1	3.2	3.4	3.1	4.1	3.1	2.6	1.9
14	1.4	3.1	2.7	2.7	3.1	3.2	3.3	3.1	3.1	3.1	2.6	2.2
15	1.4	2.4	2.6	2.7	3.1	3.1	3.2	3.2	3.0	3.2	2.4	2.3
16	1.5	1.4	2.6	2.7	3.2	3.1	3.2	3.3	3.0	3.1	2.6	2.0
17	1.5	1.4	2.5	2.7	3.1	4.1	3.2	3.1	2.9	3.0	2.6	2.0
18	1.5	1.4	2.5	2.7	3.0	3.4	3.2	4.2	3.0	3.0	2.6	2.0
19	1.5	1.7	2.5	2.4	3.0	3.1	3.4	3.2	2.9	3.0	2.6	1.9
20	1.5	3.1	2.4	3.1	2.9	3.1	3.2	4.2	2.9	3.0	2.6	1.9
21	1.5	2.5	2.5	2.4	2.9	3.2	3.1	4.0	2.9	3.2	2.5	1.8
22	1.5	1.9	3.3	3.4	2.9	3.0	3.1	3.7	3.1	3.1	2.4	1.9
23	1.5	1.4	2.7	3.5	2.9	3.0	3.3	3.6	2.9	3.0	2.5	2.1
24	1.5	1.4	2.7	2.9	2.8	2.9	3.2	3.5	2.8	2.9	2.5	2.0
25	1.4	1.4	2.6	2.4	2.6	2.9	3.1	3.4	2.7	2.9	2.5	1.9
26	1.9	3.8	2.0	2.7	2.9	3.7	3.0	3.3	2.7	3.1	2.4	1.8
27	1.4	2.3	2.7	2.4	2.7	3.1	3.4	3.4	3.4	3.1	2.5	1.8
28	1.5	2.1	2.4	2.4	2.7	3.1	3.9	4.1	4.9	2.9	2.4	1.8
29	1.4	2.0	2.4	2.4	------	3.0	3.4	3.9	3.7	2.9	2.4	1.8
30	1.5	2.1	2.5	2.7	------	3.0	3.3	3.5	4.4	2.9	2.1	1.8
31	1.4	------	3.1	2.7	------	3.0	------	3.4	------	2.8	2.4	------
TOTAL	54.1	59.0	85.4	82.7	82.7	101.7	105.4	107.4	99.9	100.0	80.0	61.4
MEAN	1.65	1.97	2.75	2.93	2.79	3.28	3.52	3.46	3.33	3.23	2.58	2.05
MAX	4.2	3.8	4.1	4.2	3.4	4.8	4.5	4.2	4.9	4.0	5.0	3.8
MIN	1.4	1.4	2.2	2.4	2.7	2.7	3.1	3.1	2.7	2.8	2.1	1.8

CAL YR 2012 TOTAL 1,027.3 MEAN 2.81 MAX 7.4 MIN 1.4
WTR YR 2013 TOTAL 1,035.1 MEAN 2.83 MAX 5.0 MIN 1.4

01187980 Farmington River at Collinsville, Conn.

LOCATION.--Lat 41°47'57", long 72°55'33", Litchfield County, on left bank at abandoned hydroelectric plant three quarters of a mile (1.21 km) south of Collinsville, and at mile 39.8 (64.0 km).

DRAINAGE AREA.--360 mi^2 (932 km^2).

PERIOD OF RECORD.--November 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 245.22 ft (74.743 m) above mean sea level.

AVERAGE DISCHARGE (adjusted for storage and diversion).--10 years, 664 ft^3/s (18.80 m^3/s), 25.01 in/yr (635 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,740 ft^3/s (191 m^3/s) Feb. 2, gage height, 10.91 ft (3.325 m); minimum daily, 168 ft^3/s (4.76 m^3/s) Aug. 1.

Period of record: Maximum discharge, 12,200 ft^3/s (346 m^3/s) Aug. 5, 1969, gage height, 11.79 ft (4.283 m); minimum, 4.7 ft^3/s (0.13 m^3/s) Aug. 18, 1966, gage height, 2.06 ft (0.628 m); minimum daily, 5.6 ft^3/s (0.16 m^3/s) July 11, 1965

Flood of Aug. 19, 1955, reached a stage of 35.6 ft (10.85 m), from flood-mark; discharge, 140,000 ft^3/s (3,[illegible]0 m^3/s) by slope-area measurement 0.5 mi (0.8 km) downstream.

REMARKS.--Records good. Flow regulated by Otis Reservoir, Colebrook River Lake, West Branch Reservoir, Mad River Detention Reservoir, Sucker Brook Detention Reservoir, Highland Lake, Barkhamsted, East Branch and Nepaug Reservoirs (see p. 67), and by diversion for municipal supply from Barkhamsted and Nepaug Reservoirs.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	504	601	1,450	2,450	471	813	1,040	417	994	2,520	164	556
2	495	752	1,200	2,370	1,400	834	2,590	742	494	1,470	410	552
3	511	594	1,030	1,550	3,230	415	2,250	517	594	1,130	494	556
4	517	571	1,000	1,530	3,030	1,170	1,430	744	483	1,470	744	564
5	516	742	1,120	1,380	2,430	1,340	2,120	574	440	2,470	529	561
6	524	771	1,740	1,610	1,740	1,341	2,200	534	464	2,130	470	640
7	1,030	754	2,430	740	1,490	1,140	2,010	544	431	1,470	564	564
8	1,030	585	1,720	741	2,040	1,740	1,670	502	504	1,720	574	547
9	774	1,240	2,030	751	1,410	1,430	1,400	574	534	1,470	545	545
10	470	540	2,190	704	1,590	1,070	2,430	414	573	1,130	544	545
11	545	480	1,740	671	1,510	460	2,170	1,440	511	1,040	574	547
12	744	444	1,480	633	1,210	414	1,440	1,770	510	475	547	540
13	740	543	1,420	591	717	1,010	1,740	1,500	554	545	574	574
14	715	454	1,150	534	734	471	1,470	1,040	440	474	514	530
15	714	1,160	1,230	530	724	1,760	1,020	417	400	441	521	514
16	724	414	1,210	522	714	1,130	474	494	521	441	514	534
17	720	704	1,110	514	574	1,640	464	474	511	334	414	574
18	734	525	1,020	527	530	2,260	414	1,530	304	244	534	574
19	644	517	930	503	540	1,440	401	1,140	314	274	514	644
20	472	1,340	920	1,110	564	1,740	470	1,540	570	245	530	540
21	472	1,160	505	914	571	1,440	543	2,750	520	270	434	571
22	654	415	1,130	770	564	1,540	544	2,400	520	204	434	515
23	540	417	1,300	2,740	544	437	574	2,500	350	527	440	541
24	469	742	1,100	1,670	465	415	640	1,400	350	240	464	577
25	473	710	454	1,310	475	747	574	1,500	350	274	544	564
26	543	2,080	434	1,640	434	1,240	543	1,700	350	144	544	544
27	544	2,050	474	424	437	1,370	1,240	1,190	344	144	434	534
28	345	1,160	440	417	740	1,170	1,500	1,085	444	574	547	534
29	342	1,140	447	424	------	1,040	1,470	1,100	1,190	247	541	531
30	374	440	740	424	------	441	1,140	1,140	3,340	274	540	572
31	437	------	440	444	------	444	------	1,170	------	174	544	------
TOTAL	20,056	24,367	44,534	37,488	35,674	30,173	42,654	44,481	23,574	23,417	15,210	15,537
MEAN	647	812	1,436	1,209	1,274	973	1,422	1,434	767	755	491	517
MAX	1,030	2,080	2,430	2,740	3,230	2,260	2,590	2,750	3,340	2,470	434	574
MIN	374	342	440	514	334	247	372	348	304	143	164	344
(†)	-294	+512	+317	+273	+36	+232	+130	+81	+46	-9	-184	-399
MEAN‡	353	1,324	1,593	1,321	1,310	1,483	1,552	1,272	598	811	305	218
CFSM‡	0.98	3.65	4.42	3.67	3.64	4.12	4.31	3.53	1.66	2.25	0.85	0.61
IN‡	1.13	4.07	5.10	4.23	3.79	4.75	4.81	4.07	1.85	2.59	0.98	0.68

CAL YR 1972 TOTAL 30,[illegible] MEAN 1,[illegible] MAX [illegible] MIN 252 Mean‡ 1,101 CFSM‡ 3.06 IN‡ 41.62
WTR YR 1973 TOTAL 345,838 MEAN 948 MAX 5,250 MIN 168 Mean‡ 1,016 CFSM‡ 2.82 IN‡ 38.35

† Change in contents in Otis Reservoir, Colebrook River Lake, West Branch Reservoir, Mad River Detention Reservoir, Sucker Brook Detention Reservoir, Highland Lake, Barkhamsted, East Branch and Nepaug Reservoirs, and diversion from Barkhamsted and Nepaug Reservoirs, equivalent in cubic feet per second; furnished by the Metropolitan District Commission, Corps of Engineers, Union Pin Company, and Massachusetts Department of Natural Resources, Division of Forests and Parks.

‡ Adjusted for change in contents and diversion.

01189000 Burlington Brook near Burlington, Conn.

LOCATION.--Lat 41°47'10", long 72°57'55", Hartford County, on left bank 1.2 miles (1.9 km) north of Burlington, 3 miles (5 km) upstream from mouth, and 3 miles (5 km) southeast of Collinsville.

DRAINAGE AREA.--4.13 mi² (10.70 km²).

PERIOD OF RECORD.--September 1931 to current year.

GAGE.--Water-stage recorder and compound sharp-crested weir. Datum of gage is 714.86 ft (217.627 m) above mean sea level.

AVERAGE DISCHARGE.--42 years, 8.04 ft³/s (0.228 m³/s), 26.43 in/yr (671 mm/yr).

EXTREMES.--Current year: Maximum discharge, 519 ft³/s (14.7 m³/s) June 28, gage height, 7.30 ft (2.225 m), minimum, 0.77 ft³/s (0.022 m³/s) June 23, gage height, 1.51 ft (0.460 m).

Period of record: Maximum discharge, 1,690 ft³/s (47.9 m³/s) Aug. 19, 1955, gage height, 9.22 ft (2.810 m), from rating curve extended above 320 ft³/s (9.06 m³/s) on basis of computation of peak flow through orifice and over weir downstream at 670 ft³/s (19.1 m³/s) and 1,690 ft³/s, (47.9 m³/s); minimum, 0.12 ft³/s (0.003 m³/s) June 22, 1965; minimum unregulated daily, 0.44 ft³/s (0.012 m³/s) Aug. 31, Sept. 13, 1965.

PEAK DISCHARGE.--(BASE, 160 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	1600	5.28	171	06-28	1800	7.30	519
12-18	2100	5.18	160	06-30	0500	6.20	294
02-03	0100	6.15	286	08-02	2000	6.15	286
				09-06	1330	5.60	208

REMARKS.--Records excellent. Occasional regulation at low flow. Records of water quality for the current year are published in Part 2 of this report. See REVISIONS summary paragraph in WSP 1921.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	5.2	31	77	7.6	4.0	23	13	9.0	53	5.4	5.5
2	5.4	4.9	17	29	59	9.9	51	8.7	8.7	15	16	5.9
3	5.4	6.7	14	15	119	10	77	11	7.1	13	61	5.8
4	5.9	5.5	13	17	52	15	36	17	7.1	31	50	5.8
5	5.2	5.2	19	17	14	71	44	9.4	5.1	31	5.1	7.0
6	5.0	4.7	92	21	15	15	18	8.4	6.6	15	5.5	54
7	57	4.1	46	9.0	13	14	15	7.7	5.4	17	4.5	11
8	24	28	10	8.7	17	53	15	7.5	5.1	5.6	5.0	5.5
9	7.9	53	42	8.7	11	17	13	17	5.5	8.2	5.6	5.9
10	5.4	17	29	6.5	6.7	15	47	15	4.9	7.5	5.5	5.5
11	4.6	8.7	19	6.1	5.4	13	20	24	4.5	11	5.6	5.0
12	4.5	9.2	16	5.8	5.3	15	15	13	4.3	5.2	4.1	7.7
13	4.9	7.1	18	5.5	5.3	14	17	11	77	4.9	5.5	7.6
14	4.3	48	15	5.5	5.7	14	11	8.8	11	4.1	5.3	4.9
15	4.1	33	12	4.0	5.4	13	11	9.2	4.3	8.2	5.2	17
16	5.0	14	13	5.4	5.7	12	9.9	13	4.9	5.4	5.2	5.3
17	5.7	11	11	7.1	5.5	35	9.7	8.7	4.5	5.3	5.1	5.6
18	5.5	13	10	5.4	5.4	24	9.5	51	4.5	5.3	5.3	5.8
19	5.6	9.6	9.7	13	5.2	15	14	14	4.5	4.7	5.0	5.8
20	5.7	48	10	24	5.0	12	17	70	4.4	4.6	5.0	5.9
21	5.4	18	10	9.5	4.2	13	9.7	45	4.4	5.5	2.6	5.5
22	5.4	12	24	17	4.7	9.9	8.3	14	5.7	4.7	2.6	5.2
23	5.5	9.6	10	45	7.7	9.7	13	13	5.4	4.8	2.6	4.4
24	5.7	8.7	15	15	4.5	8.5	13	17	4.9	4.1	2.4	4.5
25	5.3	8.4	19	11	5.3	8.4	9.7	11	4.3	4.3	7.4	4.3
26	5.8	55	13	13	5.3	75	17	9.4	4.8	4.7	2.5	5.4
27	5.6	27	16	10	5.7	14	78	13	11	5.4	2.7	5.5
28	5.3	14	12	15	5.1	10	33	16	174	4.5	2.6	5.0
29	4.9	11	9.7	8.7	------	9.5	15	34	55	4.3	2.6	5.7
30	4.3	10	8.3	6.8	------	9.7	12	11	154	5.1	2.5	5.5
31	5.5	------	15	5.3	------	11	------	11	------	5.5	7.8	------
TOTAL	157.4	493.5	577.4	452.3	421.1	475.5	556.3	475.1	511.5	296.6	158.7	169.2
MEAN	5.17	16.5	18.5	15.0	14.4	15.3	18.5	15.3	17.1	9.55	5.61	5.77
MAX	57	53	58	77	119	53	51	57	154	31	61	54
MIN	4.3	4.1	8.0	5.0	3.6	4.0	9.9	7.5	3.9	4.1	2.5	4.5
CFSM	1.25	4.00	4.65	3.63	3.48	3.83	4.49	3.70	4.14	2.31	1.35	1.37
IN.	1.39	4.45	5.16	4.07	3.75	4.27	5.01	4.28	4.61	2.67	1.39	1.52

CAL YR 1982 TOTAL 4,655.1 MEAN 12.7 MAX 67 MIN 1.8 CFSM 3.08 IN 62.93
WTR YR 1983 TOTAL 4,817.1 MEAN 13.2 MAX 154 MIN 2.5 CFSM 3.20 IN 65.48

01189400 Pequabuck River at Forestville, Conn.

LOCATION.--Lat 41°40'25", long 72°54'08", Hartford County, on left bank 500 ft (152 m) upstream from bridge on Central Street, a quarter of a mile downstream from Copper Mine Brook, and 6.5 miles (10.5 km) upstream from mouth.

DRAINAGE AREA.--45.4 mi² (117.6 km²).

PERIOD OF RECORD.--July 1941 to current year.

GAGE.--Water-stage recorder. Datum of gage is 197.72 ft (60.285 m) above mean sea level.

AVERAGE DISCHARGE(adjusted for storage and diversion).--32 years, 34.9 ft³/s (2.604 m³/s), 25.39 in/yr (645 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,560 ft³/s (44.2 m³/s) Feb. 2, gage height, 4.45 ft (1.356 m); minimum, 17 ft³/s (0.48 m³/s) Aug. 20, 27, 31; minimum gage height, 0.94 ft (0.287 m) Oct. 4, 5.

Period of record: Maximum discharge, 11,700 ft³/s (331 m³/s) Aug. 19, 1955, gage height,13.22 ft (4.029 m), from high-water mark in gage house, from rating curve extended above 2,100 ft³/s (59.5 m³/s) on basis of slope-area measurement at gage heights, 7.3 and 13.22 ft (2.22 and 4.029 m); minimum, 6.5 ft³/s (0.18 m³/s) Sept. 21, 22, 1941, gage height, 0.64 ft (0.195 m).

Flood of September 1938 reached a stage of about 7.3 ft (2.22 m), from floodmarks, discharge 3,800 ft³/s (108 m³/s) on basis of slope-area measurement of peak flow and computation of peak flow over dam.

PEAK DISCHARGE.--(BASE, 800 ft³/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-26	0900	3.58	1,580	03-12	2200	4.45	1,560
12-08	1800	3.22	940	04-10	0800	3.27	965
01-22	2300	3.13	895	06-10	1000	3.80	1,230

REMARKS.--Records good. Flow regulated by Whigville Reservoir (see p. 67) and mills upstream. Diversion for municipal supply of city of New Britain from Whigville Reservoir and Copper Mine Brook. See REVISIONS summary paragraph in WDP 1981.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	26	280	630	70	57	108	99	74	301	31	35
2	21	37	143	291	488	61	197	93	74	131	136	29
3	21	52	107	168	1,020	64	223	105	64	93	78	25
4	20	38	101	295	336	151	223	117	64	208	74	22
5	20	32	158	173	282	182	298	91	62	189	46	21
6	22	30	394	124	156	80	287	83	60	129	34	127
7	357	28	414	119	139	74	260	75	58	87	31	75
8	71	190	194	110	133	231	242	70	55	68	30	32
9	38	249	357	100	144	223	177	135	49	60	28	22
10	30	76	258	90	182	129	457	105	43	53	27	20
11	29	58	181	80	95	182	229	232	42	70	24	19
12	30	55	139	75	87	182	157	130	40	51	27	18
13	24	46	156	70	80	98	134	100	57	43	25	17
14	27	256	139	65	83	90	118	84	53	57	25	19
15	28	247	129	63	93	95	108	91	42	88	25	46
16	26	104	134	64	182	92	101	110	40	57	25	34
17	29	82	168	68	96	111	93	81	36	44	24	25
18	25	70	183	68	88	157	91	221	38	48	23	43
19	28	64	95	77	82	154	100	123	30	36	22	49
20	26	244	104	147	77	140	183	194	34	36	22	29
21	25	140	101	76	74	127	86	481	34	128	22	23
22	24	91	232	140	75	115	82	184	47	57	22	22
23	25	71	141	264	77	187	95	127	45	42	21	37
24	25	64	154	125	68	188	106	113	37	37	21	38
25	25	58	136	94	60	93	83	104	35	34	19	31
26	25	494	132	80	61	103	170	94	36	75	18	28
27	24	199	150	76	57	117	242	90	97	47	20	24
28	29	116	120	78	55	111	244	137	354	39	22	24
29	38	92	93	76	------	134	142	134	397	33	21	22
30	35	96	93	75	------	98	112	95	963	32	20	22
31	27	------	187	75	------	97	------	93	------	31	31	------
TOTAL	1,196	3,421	5,282	3,932	4,299	3,485	5,077	3,976	3,076	2,388	1,080	978
MEAN	38.6	114	170	127	150	112	169	128	103	77.0	32.3	32.6
MAX	357	494	414	630	1,020	231	457	481	963	301	136	127
MIN	20	26	93	63	55	57	82	70	34	31	18	17
(†)	+3.8	+8.6	+10.3	+11.2	+4.8	+10.3	+8.4	+10.0	+6.9	+4.2	+4.0	+4.8
MEAN*	42.4	122	180	138	155	122	177	138	106	81.2	36.3	37.4
CFSM*	0.93	2.69	3.96	3.04	3.41	2.69	3.90	3.04	2.34	1.79	0.80	0.82
IN*	1.07	3.00	4.54	3.50	3.55	3.10	4.35	3.50	2.66	2.06	0.92	0.92

CAL YR 1972 TOTAL 43,391 MEAN 119 MAX 1,180 MIN 20 MEAN* 125 CFSM* 2.75 IN* 37.18
CAL YR 1973 TOTAL 38,520 MEAN 106 MAX 1,020 MIN 17 MEAN* 111 CFSM* 2.44 IN* 33.19

† Change in contents in Whigville Reservoir, diversion for municipal supply of city of New Britain from Whigville Reservoir and at Whites Bridge pumping plant, equivalent in cubic feet per second; records furnished by city of New Britain.

*Adjusted for diversion and change in contents.

01189390 East Branch Salmon Brook at Granby, Conn.

LOCATION.--Lat 41°57'15", long 72°46'48", Hartford County, on right bank at downstream side of bridge on State Highway 20, 0.5 mile (0.8 km) east of Granby, 1.0 mile (1.6 km) upstream from West Branch Salmon Brook, and 1.8 miles (2.9 km) downstream from Manitook Lake.

DRAINAGE AREA.-- 33.3 mi^2 (86.2 km^2).

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 160.74 ft (48.994 m) above mean sea level.

AVERAGE DISCHARGE.--10 years, 61.5 ft^3/s (1.742 m^3/s), 25.08 in/yr (637 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,190 ft^3/s (33.7 m^3/s) June 30, gage height, 7.03 ft (2.143 m); minimum, 12 ft^3/s (0.34 m^3/s) Aug. 31, gage height, 1.10 ft (0.335 m).

Period of record: Maximum discharge, 1,420 ft^3/s (40.2 m^3/s) Apr 23, 1969, gage height, 7.93 ft (2.417 m); minimum, 4.0 ft^3/s (0.11 m^3/s) Sept. 4, 5, 1968; minimum gage height, 0.68 ft (0.207 m) July 16, 1965.

PEAK DISCHARGE.--(BASE 500 ft^3/s, revised):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-09	0400	4.43	546	02-03	0400	6.22	990
11-26	1700	6.12	965	04-02	0530	4.54	571
12-07	0130	5.95	922	04-10	1500	4.28	513
01-23	0530	5.21	738	06-30	1400	7.03	1,190

REMARKS.--Records good except those for winter period, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	24	187	340	116	62	121	102	72	311	25	26
2	18	31	158	245	155	78	412	92	67	165	74	19
3	17	55	132	160	723	96	217	95	64	125	81	17
4	17	43	124	146	327	152	190	111	64	133	78	16
5	16	40	139	149	222	152	332	97	61	166	50	15
6	16	38	267	122	179	138	196	83	59	124	39	19
7	111	33	477	95	153	124	152	76	57	94	33	20
8	104	69	198	94	140	227	134	71	52	80	31	17
9	62	302	229	76	130	197	120	108	46	70	28	16
10	43	121	232	72	110	152	299	117	40	64	26	15
11	36	88	189	69	99	131	245	174	36	59	25	15
12	31	72	146	65	86	134	171	134	34	54	24	14
13	38	57	144	63	84	131	142	112	65	50	22	14
14	28	138	138	60	80	115	125	94	70	45	21	15
15	27	195	122	61	78	107	115	85	58	46	21	29
16	27	120	117	64	76	102	106	115	48	50	23	22
17	24	98	108	66	74	169	99	92	43	43	22	19
18	23	80	95	76	73	201	94	168	38	39	21	25
19	22	70	90	90	72	133	98	141	41	37	21	28
20	21	205	88	193	70	113	98	117	41	35	22	23
21	20	149	85	115	75	100	88	315	39	49	19	20
22	23	111	132	104	93	92	83	175	38	51	19	18
23	21	87	145	440	91	87	80	133	38	40	19	27
24	20	76	121	203	80	80	97	116	36	35	17	25
25	20	71	116	138	71	78	83	98	34	33	17	23
26	27	412	112	118	68	148	105	91	32	32	16	21
27	25	263	119	109	64	138	174	85	49	36	16	19
28	20	165	105	108	59	106	229	92	162	45	16	18
29	28	133	88	93	------	99	163	134	262	34	19	17
30	30	109	78	105	------	92	120	97	765	29	20	16
31	26	------	106	90	------	88	------	81	------	26	16	------
TOTAL	953	3,455	4,587	3,929	3,648	3,822	4,688	3,601	2,511	2,200	881	588
MEAN	30.7	115	148	127	130	123	156	116	83.7	71.0	28.4	19.6
MAX	111	412	477	440	723	227	412	315	765	311	81	29
MIN	16	24	78	60	59	62	80	71	32	26	16	14
CFSM	.92	3.45	4.44	3.81	3.90	3.69	4.68	3.48	2.51	2.13	.85	.59
IN.	1.06	3.86	5.12	4.39	4.08	4.27	5.24	4.02	2.81	2.46	.98	.66

CAL YR 1972 TOTAL 38,312 MEAN 105 MAX 703 MIN 15 CFSM 3.15 IN 42.80
WTR YR 1973 TOTAL 34,863 MEAN 95.5 MAX 765 MIN 14 CFSM 2.87 IN 38.95

01189995 Farmington River at Tariffville, Conn.

LOCATION.--Lat 41°54'30", long 72°45'40", Hartford County, on right bank at Tariffville, behind house at 20 Tunxis Road, 0.3 mi (0.5 km) downstream from bridge on State Highway 189 and 5.5 mi (8.8 km) upstream from gage at Rainbow.

DRAINAGE AREA.--571 mi^2 (1,479 km^2).

PERIOD OF RECORD.--January 1913 to August 1928 furnished by Farmington River Power Company. August 1928 to September 1939, October 1971 to current year.

GAGE.--Water -stage recorder since August 1928. Januagy 1913 to August 1928, staff gage on forebay of dam of Hartford Electric Light Co. Datum of gage is 130.21 ft (39.688 m) above mean sea level.

EXTREMES.--C urrent year: Maximum discharge, 7,060 ft^3/s (200 m^3/s) Feb. 4, gage height, 6.91 ft (2.106 m); minimum, 503 ft^3/s (14.2 m^3/s) Aug. 9, gage height, 1.46 ft (0.445 m).

Period of record: Maximum discharge, 69,200 ft^3/s (1,960 m^3/s) Aug. 19, 1955, gage height, 21.20 ft (6.462 m), from floodmarks, by computation of flow over dam 0.5 mi (0.8 km) below gage; minimum, probably less than 30 ft^3/s (0.85 m^3/s) Mar. 1, 1938, river level below intake; minimum daily discharge, about 175 ft^3/s (4.96 m^3/s) Sept. 22, 1930.

REMARKS.--Records good except those for July, which are fair. Flow regulated by Otis Reservoir, Colebrook River Lake, West Branch Reservoir, Mad River and Sucker Brook Detention Reservoirs, Highland Lake, Barkhamsted, East Branch, Nepaug and Whigville Reservoirs (see p. 67), and by diversion for municipal supply from Barkhamsted, Nepaug and Whigville Reservoirs, and Whites Bridge pumping station. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	733	834	2,470	3,190	1,230	1,280	1,750	1,840	1,760	5,610	700	811
2	696	762	2,710	4,470	1,650	1,330	3,900	1,620	1,610	3,990	800	758
3	697	710	2,170	3,660	5,770	1,490	4,310	1,400	1,380	2,590	1,200	741
4	696	721	1,900	2,740	6,580	1,890	3,630	1,510	1,170	2,080	1,250	725
5	694	688	2,010	2,600	5,660	2,360	4,560	1,470	984	3,070	1,200	720
6	695	688	2,510	2,310	3,750	2,310	4,420	1,290	969	3,700	800	932
7	1,390	688	4,910	1,690	3,150	2,080	3,620	1,190	933	3,140	700	1,140
8	2,440	762	4,310	1,500	3,140	2,560	3,160	1,130	883	2,640	620	848
9	1,630	2,730	3,590	1,400	3,190	3,490	2,920	1,290	821	2,290	574	747
10	1,110	2,070	3,960	1,300	2,800	2,620	3,800	1,700	689	1,870	655	713
11	948	1,270	3,670	1,200	2,430	1,920	4,570	2,090	671	1,700	641	721
12	949	991	2,990	1,150	2,270	1,770	3,700	2,750	659	1,400	640	755
13	1,010	888	2,590	1,160	1,720	1,880	3,140	2,510	771	1,200	628	788
14	970	1,270	2,520	1,130	1,380	1,770	2,830	2,090	1,010	1,000	586	787
15	940	2,920	2,260	1,150	1,470	1,850	2,370	1,630	813	900	540	1,020
16	936	2,300	2,170	1,080	1,520	2,080	1,920	1,680	702	850	559	950
17	942	1,610	1,950	1,040	1,290	2,260	1,740	1,720	662	800	532	829
18	932	1,270	1,750	1,060	1,120	3,540	1,630	1,970	626	740	716	1,010
19	923	1,110	1,770	1,130	1,220	3,310	1,570	2,730	643	700	821	1,150
20	888	2,020	1,640	1,790	1,140	2,780	1,670	2,330	692	680	800	951
21	875	2,650	1,620	1,830	1,150	2,680	1,490	3,850	685	660	680	853
22	866	1,930	1,790	1,510	1,220	2,650	1,310	4,260	693	640	635	816
23	856	1,500	2,550	3,570	1,230	1,970	1,240	3,280	751	620	620	902
24	847	1,330	2,340	3,830	1,320	1,580	1,420	2,760	734	600	761	941
25	852	1,250	2,070	2,720	1,370	1,430	1,350	2,530	648	580	926	893
26	854	2,620	1,900	2,050	1,350	1,780	1,310	2,100	621	560	855	855
27	843	4,330	1,910	1,760	1,450	2,480	2,210	1,850	665	540	824	826
28	744	3,230	1,850	1,720	1,290	2,150	3,020	1,660	1,230	520	747	816
29	691	2,280	1,660	1,720	------	1,850	2,780	2,060	2,790	520	744	797
30	691	1,860	1,510	1,560	------	1,690	2,240	2,180	4,680	540	737	774
31	707	------	1,540	1,590	------	1,660	------	1,960	------	600	699	------
TOTAL	29,045	49,282	74,590	60,610	62,860	66,490	79,580	64,430	31,945	47,330	23,190	25,569
MEAN	937	1,643	2,406	1,955	2,245	2,145	2,653	2,078	1,065	1,527	748	852
MAX	2,440	4,330	4,910	4,470	6,580	3,540	4,570	4,260	4,680	5,610	1,250	1,150
MIN	691	688	1,510	1,040	1,120	1,280	1,240	1,130	621	520	532	713
(†)	-290	+520	+327	+284	+40	+243	+138	+91	+51	-5	-182	-395
MEAN†	647	2,163	2,733	2,239	2,285	2,388	2,791	2,169	1,116	1,522	566	457
CFSM†	1.13	3.79	4.79	3.92	4.00	4.18	4.89	3.80	1.95	2.67	0.99	0.80
IN†	1.30	4.23	5.52	4.52	4.16	4.82	5.46	4.38	2.18	3.08	1.14	0.89

CAL YR 1972 TOTAL 633,565 MEAN 1,731 MAX 6,000 MIN 537 MEAN† 1,833 CFSM† 3.21 IN† 43.70
WTR YR 1973 TOTAL 614,921 MEAN 1,685 MAX 6,580 MIN 520 MEAN† 1,760 CFSM† 3.08 IN† 41.68

† Change in contents in Otis Reservoir, Colebrook River Lake, West Branch Reservoir, Mad River and Sucker Brook Detention Reservoirs, Highland Lake, Barkhamsted, East Branch, Nepaug and Whigville Reservoirs, and diversion from Barkhamsted, Nepaug, and Whigville Reservoirs and Whites Bridge pumping station, equivalent in cubic feet per second; furnished by the Metropolitan District Commission, Corps of Engineers, Union Pin Company, and Massachusetts Department of Natural Resources, Division of Forests and Parks, and the city of New Britain.

† Adjusted for diversion and change in contents.

01190000 Farmington River at Rainbow, Conn.

LOCATION.--Lat 41°54'41", long 72°41'16", Hartford County, on left bank at Rainbow, 300 ft (91 m) from Stevens Paper Mill, 0.4 mi (0.6 km) downstream from Farmington River Power Co. Dam, 1.3 mi (2.1 km) upstream from Poquonock, 6.4 miles (10.3 km) downstream from Salmon Brook, and at mile 8.2 (13.2 km).

DRAINAGE AREA.--583 mi^2 (1,510 km^2).

PERIOD OF RECORD.--August 1928 to current year. Prior to 1940, published as "at Tariffville".

GAGE.--Water-stage recorder. Datum of gage is 35.36 ft (10.778 m) above mean sea level. Prior to July 1, 1939, graphic water-stage recorder at site 5.5 miles (8.8 km) upstream at datum 94.85 ft (28.910 m) higher.

AVERAGE DISCHARGE (adjusted to present site; adjusted for storage and diversion).--45 years, 1,055 ft^3/s (29.88 m^3/s), 24.57 in/yr (624 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,920 ft^3/s (196 m^3/s) Feb. 4, gage height, 6.51 ft (1.984 m); minimum daily, 235 ft^3/s (6.66 m^3/s) July 29.

Period of record: Maximum discharge, 69,200 ft^3/s (1,960 m^3/s) Aug. 19, 1955, gage height, 23.5 ft (7.16 m), from floodmarks, by computation of flow over dam 0.4 mi (0.6 km) upstream; minimum daily, 5.1 ft^3/s (0.14 m^3/s) March 5, 1944, Oct. 28, Nov. 11, 1945; Feb. 22, 1947.

REMARKS.--Records excellent except for Oct. 7 to Nov. 2, which are good. Flow regulated by power plant, by Otis Reservoir, Colebrook River Lake, Mad River Detention Reservoir, Sucker Brook Detention Reservoir, Highland Lake, Barkhamsted, East Branch, Nepaug and Whigville Reservoirs (see p. 67), and by diversions for municipal supply from Barkhamsted, Nepaug and Whigville Reservoirs, and Whites Bridge pumping plant. Records of water quality for the current year are published in Part 2 of this report. See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	552	535	2,170	2,350	1,270	1,220	1,530	1,860	1,490	5,180	281	546
2	859	937	2,540	4,120	1,470	1,200	3,120	1,560	1,440	3,660	794	734
3	411	972	2,060	3,270	4,950	1,310	3,830	1,300	1,160	2,690	1,230	641
4	478	830	1,870	2,570	5,830	1,580	3,310	1,460	1,023	2,170	1,260	1,210
5	735	464	1,910	2,330	5,350	2,700	4,010	1,300	909	2,340	1,240	289
6	887	492	2,200	2,250	3,380	2,110	3,840	1,030	1,040	3,340	800	611
7	1,420	575	4,110	1,670	2,830	1,923	3,310	1,190	1,010	2,940	784	1,010
8	2,200	635	4,010	1,340	2,850	2,210	2,730	958	782	2,470	529	799
9	1,700	2,260	3,340	980	2,910	3,090	2,640	1,390	766	2,180	494	885
10	1,400	2,180	3,470	1,360	2,670	2,650	3,410	1,480	450	1,970	519	695
11	830	1,160	3,300	1,090	2,210	2,040	4,120	1,580	922	1,730	603	713
12	1,000	983	2,600	1,070	1,950	1,410	3,270	2,510	691	1,360	597	513
13	1,100	938	2,553	1,182	2,010	1,780	2,740	2,230	723	1,310	498	610
14	1,030	1,360	2,260	856	1,630	1,710	2,640	2,020	832	938	714	990
15	900	2,180	2,170	995	1,280	1,680	2,360	1,850	823	588	527	930
16	930	2,180	2,130	763	1,310	1,610	1,880	1,490	607	976	453	771
17	1,030	1,970	1,750	1,330	1,040	2,170	1,580	1,600	362	863	559	829
18	1,000	1,220	1,330	924	974	2,410	1,570	1,650	553	754	496	1,110
19	1,000	725	1,840	1,350	1,080	2,840	1,530	2,200	559	599	569	1,090
20	1,330	1,670	1,510	1,490	853	2,590	1,350	2,380	912	707	763	945
21	850	2,510	1,550	1,900	1,130	2,440	1,460	3,060	616	647	720	889
22	750	2,030	1,640	1,440	1,320	2,390	1,160	3,790	716	438	589	597
23	900	1,190	2,250	2,840	1,520	2,110	1,140	2,960	647	668	581	914
24	850	1,220	2,740	3,410	1,140	1,500	1,270	2,580	593	548	666	720
25	500	1,270	1,890	2,590	1,130	1,470	1,430	2,230	524	481	635	892
26	1,030	2,060	1,760	2,160	1,390	1,800	1,250	1,980	629	760	992	779
27	750	3,460	1,700	1,740	1,430	1,343	1,833	1,870	619	642	797	791
28	750	2,920	1,790	1,560	1,220	2,170	2,530	1,630	1,480	502	699	824
29	553	2,760	1,560	1,540	------	1,750	2,540	1,750	2,160	235	786	882
30	650	1,840	1,380	1,530	------	1,560	2,030	1,960	3,860	786	871	543
31	630	------	1,470	1,140	------	1,550	------	1,950	------	515	694	------
TOTAL	28,845	45,454	66,370	54,645	54,607	60,410	71,333	58,796	29,027	45,087	21,740	23,852
MEAN	930	1,515	2,209	1,763	2,102	1,949	2,378	1,897	968	1,454	701	795
MAX	2,230	3,960	4,110	4,120	5,830	3,090	4,120	3,790	3,860	5,180	1,260	1,210
MIN	411	464	1,330	763	853	1,200	1,140	958	342	235	281	289
(†)	-290	+520	+327	+284	+40	+243	+138	+91	+51	-5	-182	-395
MEAN*	640	2,035	2,532	2,047	2,142	2,192	2,516	1,988	1,019	1,449	519	400
CFSM†	1.10	3.49	4.34	3.51	3.67	3.76	4.32	3.41	1.75	2.49	0.89	0.69
IN*	1.27	3.89	5.00	4.05	3.82	4.34	4.82	3.93	1.95	2.87	1.03	0.77

CAL YR 1972 TOTAL 625,413 MEAN 1,709 MAX 6,530 MIN 195 MEAN* 1,811 CFSM* 3.11 IN* 42.27
WTR YR 1973 TOTAL 566,428 MEAN 1,552 MAX 6,800 MIN 235 MEAN* 1,627 CFSM* 2.79 IN* 37.74

† Change in contents in Otis and West Branch Reservoirs, and Mad River and Sucker Brook Detention Reservoirs, Colebrook River Lake, Highland Lake, Barkhamsted, East Branch, Nepaug and Whigville Reservoirs, and diversion from Barkhamsted, Nepaug, Whigville Reservoirs, and Whites Bridge pumping plant, equivalent in cubic feet per second; furnished by the Metropolitan District Commission, Corps of Engineers, Union Pin Company, and Massachusetts Department of Natural Resources, Division of Forests and Parks, and the city of New Britain.

* Adjusted for diversion and change in contents.

01190070 Connecticut River at Hartford, Conn.

LOCATION.--Lat 41°46'10", long 72°40'04", Hartford County, at Bulkeley Memorial Bridge at Hartford, Conn.

DRAINAGE AREA.--10,487 mi^2 (27,161 km^2).

PERIOD OF RECORD.--January 1905 to current year.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft (3.048 m) below mean sea level. Gage-height record converted to elevation above or below (-) mean sea level for publication.

REMARKS.--Records prior to 1973 available at the River Forecast Center, NOAA, Hartford, Conn. Datum of River Forecast Center gage is 0.55 ft (0.168 m) below mean sea level. At times of high fresh-water inflow, tide effect is eleminated. Stage data in feet at 15 minute intervals available upon request.

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation	5.34	10.09	11.27	13.63	14.82	20.49	18.53	16.27	7.95	20.82	6.74	4.37
high tide	Date	7	28	8	25	4	19	5	24	1	3	3	18
	Time	1500	0845	2330	0730	1945	2230	0930	0645	0430	0800	2330	1830
Minimum	Elevation	.06	1.64	2.02	3.02	2.86	2.96	6.28	5.17	2.19	.96	.24	.08
low tide	Date	15	1	18	16	27	2	17	9	11	24	26	3
	Time	1645	1930	0730	0800	0630	0930	1115	0045	0815	1645	2100	1430

NOTE.--Time shown is eastern standard.

01190500 South Branch Park River at Hartford, Conn.

LOCATION.--Lat 41°44'02", long 72°42'51", Hartford County, on left bank 100 ft (30 m) downstream from bridge on Newfield Avenue in Hartford, 0.7 mi (1.1 km) downstream from confluence of Trout Brook and Piper Brook, and 3.3 mi (5.3 km) upstream from confluence with North Branch.

DRAINAGE AREA.--39.9 mi^2 (103.3 km^2).

PERIOD OF RECORD.--October 1936 to current year.

GAGE.--Nonreading gage. Datum of gage is 25.53 ft (7.782 m) above mean sea level. Prior to July 6, 1972, water-stage recorder 150 ft (46 m) upstream at datum 5.54 ft (1.689 m) higher.

AVERAGE DISCHARGE.--37 years, 71.2 ft^3/s (2.016 m^3/s), 34.24 in/yr (616 mm/yr).

EXTREMES.--Current year: Maximum discharge not determined, probably occurred Feb. 3; minimum daily, 13 ft^3/s (0.37 m^3/s) Sept 30.

Period of record: Maximum discharge, 5,000 ft^3/s (142 m^3/s) Aug. 19, 1955, from rating curve extended above 1,800 ft^3/s (51.0 m^3/s) on basis of records for North Branch Park River and Park River at Hartford; maximum gage height, 19.65 ft (5.989 m), from floodmarks, site and datum then in use; minimum daily discharge, 3.5 ft^3/s (0.099 m^3/s) July 16, 1965.

Flood of Mar. 12, 1936, reached a stage of 12.1 ft (3.688 m), site and datum then in use, determined by Hartford City Engineers from floodmarks.

REMARKS.--Estimated records poor during period of no gage-height record prior to Apr. 10; good thereafter. Some regulation by dams upstream and by storage and diversion at Hartford water-supply reservoirs on headwater streams. Some regulation at high flow by Talcott, South, Burnt Hill, and Bugbee Detention Reservoirs on tributaries of Trout Brook. See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	40	350	450	60	50	150	92	68	220	21	45
2	18	63	200	250	500	55	350	64	80	68	93	25
3	17	70	120	145	1,500	60	230	75	70	61	99	20
4	16	50	90	120	500	120	200	120	71	50	130	20
5	15	45	80	110	200	110	300	40	50	44	50	16
6	15	40	130	100	150	90	195	60	49	71	19	15
7	300	37	500	70	130	80	150	57	47	60	20	22
8	250	35	300	50	120	170	130	57	40	45	20	20
9	80	400	160	45	110	150	170	130	35	36	20	18
10	60	100	180	40	100	100	287	85	35	33	18	16
11	50	50	120	35	80	90	220	242	43	50	18	15
12	50	40	110	34	70	80	142	147	46	41	20	16
13	45	35	100	33	60	75	111	100	164	36	39	18
14	45	140	140	33	70	70	130	76	114	40	20	20
15	45	350	130	40	110	65	90	80	52	50	18	50
16	40	85	140	50	80	70	84	85	45	47	18	20
17	35	50	100	50	60	170	80	64	45	39	18	15
18	35	40	90	45	50	200	50	350	55	39	17	164
19	40	40	80	45	60	150	100	150	50	37	17	51
20	40	400	80	40	70	80	84	147	51	37	18	33
21	35	200	90	60	70	70	60	582	50	50	19	30
22	35	100	550	70	60	65	50	164	147	100	16	17
23	35	70	250	300	55	60	70	138	182	50	16	40
24	33	50	150	100	50	55	75	112	61	35	18	46
25	30	50	130	70	48	55	80	95	32	29	17	20
26	30	450	120	50	45	180	242	80	35	116	16	18
27	30	300	110	50	45	130	287	80	51	60	16	16
28	25	150	100	100	48	80	350	110	72	45	18	17
29	60	100	90	100	------	65	290	191	147	35	16	15
30	50	70	80	50	------	60	229	77	335	26	26	13
31	40	------	250	50	------	70	------	231	------	25	28	------
TOTAL	1,631	3,617	[illegible]	2,875	4,531	2,065	4,715	4,139	2,342	1,973	905	851
MEAN	52.6	120	155	92.7	161	66.6	152	134	78.1	63.6	29.2	28.4
MAX	300	450	500	450	1,500	200	350	582	335	220	130	164
MIN	15	35	80	33	45	50	50	57	32	25	16	13
AC-FT	3,230	7,170	9,550	5,700	8,980	4,100	9,350	8,210	4,640	3,910	1,800	1,690
CFSM	1.32	3.01	3.88	2.32	4.04	1.67	3.81	3.34	1.96	1.59	.73	.71
IN.	1.52	3.38	4.40	2.68	4.50	1.93	4.43	3.86	2.18	1.84	.84	.79

[illegible]

01191000 North Branch Park River at Hartford, Conn.

LOCATION.--Lat 41°47'03", long 72°42'31", Hartford County, on right bank 60 ft (18 m) downstream from stone-arch bridge on Albany Avenue in Hartford, and 3 miles (5 km) upstream from confluence with South Branch.

DRAINAGE AREA.--25.1 mi^2 (65.0 km^2).

PERIOD OF RECORD.--October 1936 to current year.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 34.20 ft (10.424 m) above mean sea level.

AVERAGE DISCHARGE.--37 years.

EXTREMES.--Current year: Maximum discharge, 1,380 ft^3/s (39.1 m^3/s) Feb. 3, gage height, 7.95 ft (2.423 m); minimum, 4.3 ft^3/s (0.12 m^3/s) Aug. 26; gage height, 1.37 ft (0.418 m).

Period of record: Maximum discharge, 10,000 ft^3/s (283 m^3/s) Aug. 19, 1955, from rating curve extended above 1,400 ft^3/s (45.3 m^3/s) on basis of slope-area measurement of peak flow 2.6 miles (4.2 km) upstream; maximum gage height, 18.8 ft (5.73 m) Aug. 19, 1955, from floodmarks; minimum discharge, 0.04 ft^3/s (0.001 m^3/s) Sept. 24, 25, 1943, gage height, 0.75 ft (0.229 m); minimum daily, 0.4 ft^3/s (0.011 m^3/s) Sept. 24, 1943.

Flood of March 12, 1936, reached a stage of 11.2 ft (3.42 m), as determined from floodmarks by city engineers of Hartford, discharge about 2,800 ft /s (79 m /s).

REMARKS:--Records good. Some regulation at small dams upstream and by storage and diversion at a Hartford Water supply reservoir on headwater stream . High flow regulated by Bloomfield, Cold Spring, Wintonbury, and Blue Hills Reservoirs, on tributaries of North Branch Park River. See REVISIONS summary paragraph in WDR 1981.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	31	314	423	26	19	136	42	24	171	8.[illegible]	14
2	9.3	55	116	202	162	20	424	35	19	63	39	7.8
3	8.6	59	65	78	917	27	158	40	16	32	169	6.[illegible]
4	6.1	22	48	82	313	119	171	58	16	27	192	5.9
5	5.7	16	152	105	162	71	382	35	17	87	27	7.3
6	5.0	13	252	66	115	44	115	29	15	37	13	203
7	248	11	312	35	77	37	72	26	15	20	11	61
8	151	75	194	19	72	267	61	24	14	15	9.9	14
9	48	258	181	16	96	169	52	57	12	15	9.6	10
10	26	60	178	15	77	80	299	53	11	12	8.9	8.2
11	16	27	116	14	42	60	187	139	10	20	8.6	7.2
12	14	24	62	13	26	66	92	70	11	16	9.0	6.9
13	13	17	72	12	20	48	62	46	51	11	7.4	5.9
14	10	236	63	11	20	36	47	30	30	12	7.1	8.8
15	9.0	236	46	12	58	35	39	30	15	22	7.1	33
16	9.1	74	53	14	43	33	36	56	12	13	7.2	12
17	9.0	41	46	17	27	133	34	31	10	11	6.9	8.9
18	9.0	30	39	21	27	144	34	181	10	9.4	6.4	114
19	12	25	36	25	23	73	48	70	11	9.0	6.0	52
20	13	272	44	75	21	46	46	66	11	9.1	5.4	22
21	12	112	52	54	25	32	32	342	11	82	6.1	14
22	10	59	189	83	48	28	28	89	90	17	5.5	10
23	9.0	35	170	250	35	26	33	48	64	11	5.4	26
24	9.0	28	139	89	23	24	62	37	22	9.5	4.9	14
25	9.0	28	117	45	20	23	34	29	14	8.9	4.7	12
26	16	294	103	35	18	105	100	26	12	12	4.4	10
27	16	184	142	33	18	65	181	26	25	11	5.1	9.7
28	20	81	98	68	18	36	213	51	47	10	7.0	9.7
29	45	51	57	39	------	29	90	69	55	8.5	7.4	8.4
30	50	39	42	41	------	26	57	40	293	7.9	7.0	7.5
31	38	------	98	31	------	31	------	38	------	7.9	7.2	------
TOTAL	868.4	2,493	3,498	2,023	2,529	1,952	3,245	1,913	963	797.2	623.3	729.2
MEAN	28.0	83.1	113	65.3	90.3	63.0	108	61.7	32.1	25.7	20.1	24.3
MAX	248	294	314	423	917	267	424	342	293	171	192	203
MIN	5.7	11	36	11	18	19	28	24	10	7.9	4.4	5.9
CFSM	1.12	3.32	4.52	2.61	3.61	2.52	4.32	2.47	1.28	1.03	.80	.97
IN.	1.29	3.71	5.19	3.01	3.76	2.90	4.83	2.85	1.43	1.19	.93	1.09

CAL YR 1972 TOTAL 24,882.0 MEAN 68.0 MAX 1,140 MIN 4.4 CFSM 2.72 IN 37.02
WTR YR 1973 TOTAL 21,626.1 MEAN 59.2 MAX 917 MIN 4.4 CFSM 2.37 IN 32.18

01192600 South Branch Salmon Brook at Buckingham, Conn.

LOCATION.--Lat 41°43'05", long 72°32'25", Hartford County, on left bank just upstream from culvert on Keeney Street at Buckingham.

DRAINAGE AREA.--0.94 mi^2 (2.43 km^2).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder and compound sharp-crested weir. Datum of gage is 203.41 ft (61.999 m) above mean sea level.

AVERAGE DISCHARGE.--13 years, 1.49 ft^3/s (0.0422 m^3/s), 21.53 in/yr (547 mm/yr).

EXTREMES.--Current year: Maximum discharge, 59 ft^3/s (1.67 m^3/s) June 30, gage height, 3.49 ft (1.064 m); minimum, 0.91 ft^3/s (0.026 m^3/s) Aug. 28, gage height, 0.98 ft (0.299 m).

Period of record: Maximum discharge, 115 ft^3/s (3.26 m^3/s) Sept 19, 1972, gage height 5.00 ft (1.524 m); minimum, 0.18 ft^3/s (0.005 m^3/s) Oct. 9, 1966, gage height, 0.78 ft (0.238 m).

PEAK DISCHARGE.--(BASE, 12 ft^3/s, revised):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	1000	2.23	22	01-01	0400	1.91	15
11-14	1500	1.81	12	02-02	1830	2.79	38
11-20	0500	2.05	17	05-21	0130	1.91	14
11-26	0930	1.91	15	06-30	0700	3.49	59
12-06	1900	2.00	17	09-18	1030	2.47	28

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.6	5.2	8.4	3.2	3.1	4.6	3.7	3.1	3.4	1.5	1.5
2	1.5	2.0	3.6	5.2	11	3.1	5.2	3.6	3.0	2.8	2.0	1.2
3	1.5	2.2	3.4	4.7	6.5	3.1	3.8	3.8	2.9	2.7	1.9	1.2
4	1.5	1.7	3.7	5.0	6.0	3.9	5.0	3.7	2.9	2.6	1.7	1.2
5	1.5	1.7	4.9	4.7	5.4	3.2	4.6	3.5	2.8	2.9	1.6	1.2
6	1.5	1.6	7.8	4.2	5.1	3.1	4.0	3.4	2.7	2.4	1.5	1.2
7	7.9	1.6	5.1	3.8	5.0	3.1	3.7	3.4	2.8	2.3	1.5	1.1
8	3.0	3.8	4.5	3.7	5.1	5.5	4.1	3.4	2.7	2.2	1.5	1.1
9	2.2	3.3	5.4	3.6	4.8	3.8	3.7	3.9	2.6	2.1	1.5	1.1
10	2.1	2.3	4.7	3.4	4.4	3.5	5.2	3.4	2.5	2.1	1.5	1.1
11	2.0	2.3	4.1	3.4	4.2	3.5	4.1	4.2	2.4	2.1	2.1	1.1
12	2.4	2.2	3.9	3.2	4.0	3.5	3.8	3.4	2.5	2.0	1.6	1.1
13	2.1	2.1	4.1	3.2	4.0	3.2	3.6	3.2	3.7	2.0	1.5	1.0
14	1.9	6.4	3.8	3.0	3.9	3.3	3.5	3.1	2.6	2.0	1.4	1.5
15	2.0	3.9	3.8	3.1	4.8	3.2	3.5	3.3	2.3	2.3	1.6	1.4
16	1.9	3.0	3.8	3.1	3.9	3.2	3.5	3.4	2.3	2.0	1.5	1.0
17	1.8	2.9	3.4	3.0	3.7	4.7	3.4	3.0	2.4	1.9	1.5	1.0
18	1.8	2.8	3.3	3.0	3.6	3.6	3.4	4.2	2.3	1.8	1.5	2.9
19	1.9	2.7	3.3	3.2	3.6	3.3	3.5	3.1	2.2	1.8	1.4	1.2
20	1.8	4.2	3.6	4.2	3.7	3.2	3.3	4.0	2.2	1.8	1.3	1.1
21	1.9	3.4	3.3	3.0	3.7	3.1	3.3	6.2	2.1	3.2	1.1	1.1
22	1.7	3.1	[illegible]	3.8	3.8	3.1	3.0	3.9	2.7	2.1	1.2	1.1
23	1.7	2.9	4.4	4.9	3.5	3.0	3.4	3.7	2.4	1.8	1.2	1.8
24	1.7	2.9	4.1	3.6	3.3	3.0	3.2	3.7	2.2	1.7	1.1	1.2
25	1.7	2.8	3.9	3.3	3.2	3.0	3.0	3.5	2.1	1.7	1.1	1.2
26	1.7	6.9	3.9	3.1	3.2	4.2	4.9	3.5	2.1	2.0	1.1	1.0
27	1.6	3.9	4.1	3.5	3.1	3.1	4.9	3.4	2.8	1.9	1.0	1.1
28	1.8	3.5	3.7	4.1	3.1	3.0	5.6	4.0	2.3	1.7	1.0	1.1
29	2.0	3.3	3.4	4.2	------	3.0	4.2	3.4	3.0	1.7	1.1	1.1
30	1.7	3.5	3.5	3.6	------	3.0	3.8	3.2	30	1.6	1.1	1.1
31	1.6	------	4.7	3.3	------	3.0	------	3.5	------	1.6	1.3	------
TOTAL	62.8	92.5	129.8	119.5	122.8	104.6	118.8	112.7	104.6	66.2	43.9	37.0
MEAN	2.03	3.08	4.19	3.85	4.39	3.37	3.96	3.64	3.49	2.14	1.42	1.23
MAX	7.9	6.9	7.8	8.4	11	5.5	5.6	6.2	30	3.4	2.1	2.9
MIN	1.5	1.6	3.3	3.0	3.1	3.0	3.0	3.0	2.1	1.6	1.0	1.0
CFSM	2.16	3.28	4.46	4.10	4.67	3.59	4.21	3.87	3.71	2.28	1.51	1.31
IN.	2.49	3.66	5.14	4.73	4.86	4.14	4.70	4.46	4.14	2.62	1.74	1.46

CAL YR 1972 TOTAL 1,070.9 MEAN 2.93 MAX 14 MIN 1.1 CFSM 3.12 IN 42.38
WTR YR 1973 TOTAL 1,115.2 MEAN 3.06 MAX 30 MIN 1.0 CFSM 3.26 IN 44.13

01192890 Coginchaug River at Rockfall, Conn.

LOCATION.--Lat 41°32'10", long 72°41'16", Middlesex County, on left bank just downstream from bridge on State Highway 157, 0.5 mi (0.8 km) northeast of Rockfall, and 2.5 mi (4.0 km) southwest of Middletown.

DRAINAGE AREA.--34.7 mi^2 (89.9 km^2).

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 61.16 ft (18.642 m) above mean sea level.

AVERAGE DISCHARGE.--12 years, 57.2 ft^3/s (1.620 m^3/s), 22.37 in/yr (568 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,500 ft^3/s (42.5 m^3/s) Feb. 3, gage height, 5.63 ft (1.716 m); minimum, 2.6 ft^3/s (0.074 m^3/s) Sept. 12; minimum gage height, 0.70 ft (0.213 m) Sept. 11, 12.

Period of record: Maximum discharge, 1,500 ft^3/s (42.5 m^3/s) Feb. 3, 1973, gage height, 5.63 ft (1.716 m); minimum, 0.30 ft^3/s (0.008 m^3/s) Aug. 2, 1964; minimum daily, 0.90 ft^3/s (0.025 m^3/s) July 8, 15, Aug. 5, 8, 1962, July 17, 1965; minimum gage height, 0.49 ft (0.149 m) July 17, 1965.

PEAK DISCHARGE.--(BASE, 400 ft^3/s, revised): Dec. 6 (1900), 363 ft^3/s (3.26 ft); Feb. 3 (0800), 1,500 ft^3/s (5.63 ft); Apr. 2 (1400), 442 ft^3/s (3.19 ft).

REMARKS:--Records excellent. Some regulation at low flow by Beseck Lake and industrial plants upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	26	188	342	90	37	133	130	71	146	11	6.4
2	11	27	160	306	80	41	426	103	60	129	14	5.4
3	10	38	138	242	1,380	44	369	88	52	95	26	4.8
4	10	39	120	235	763	79	305	93	47	72	34	4.0
5	9.9	35	150	238	367	90	375	85	47	75	28	3.8
6	10	31	252	193	239	77	290	73	45	58	19	4.9
7	108	27	443	149	182	44	213	61	43	44	14	5.6
8	156	60	397	100	158	140	190	54	38	34	11	4.9
9	141	223	415	78	156	161	177	103	34	27	9.9	6.1
10	103	217	381	60	120	127	210	155	30	22	9.0	5.5
11	66	175	301	56	101	103	209	184	27	20	8.8	3.7
12	38	139	234	52	87	95	163	170	23	19	9.5	3.1
13	26	106	204	48	74	83	132	143	21	16	8.8	3.2
14	22	193	180	48	67	72	109	116	23	15	7.9	3.7
15	22	330	159	49	103	68	92	99	20	18	16	9.8
16	20	273	166	51	109	64	78	94	18	22	32	7.8
17	19	206	138	52	75	114	68	80	17	22	33	9.1
18	17	159	134	55	70	158	62	114	16	18	21	19
19	18	127	108	58	60	125	58	112	16	15	15	18
20	20	232	114	92	61	99	57	134	16	13	12	20
21	20	234	123	73	62	78	54	374	16	26	11	15
22	20	190	201	81	69	65	50	325	16	40	9.7	18
23	19	154	256	165	67	57	48	248	20	41	9.7	24
24	19	126	249	135	55	52	57	199	21	29	8.6	21
25	18	108	216	102	47	48	51	159	19	19	8.2	20
26	17	247	187	77	40	109	101	130	17	18	8.4	15
27	16	317	181	67	35	134	188	109	20	20	6.9	12
28	16	256	160	120	35	108	308	112	28	21	6.6	10
29	24	200	133	119	------	86	229	117	35	17	6.1	9.1
30	29	164	115	110	------	68	169	100	123	15	5.2	8.1
31	29	------	133	100	------	69	------	86	------	13	5.2	------
TOTAL	1,064.9	4,659	6,336	3,645	4,752	2,715	4,963	4,150	979	1,139	425.5	293.0
MEAN	34.4	155	204	118	170	87.6	165	134	32.6	36.7	13.7	9.77
MAX	156	330	443	342	1,380	161	426	374	123	146	34	24
MIN	9.9	26	108	48	35	37	48	54	16	13	5.2	3.1
CFSM	.99	4.47	5.88	3.40	4.90	2.52	4.76	3.86	.94	1.06	.39	.28
IN.	1.14	4.99	6.79	3.91	5.09	2.91	5.32	4.45	1.05	1.22	.46	.31

CAL YR 1972 TOTAL 39,873.6 MEAN 109 MAX 1,010 MIN 7.8 CFSM 3.14 IN 42.75
WTR YR 1973 TOTAL 35,121.4 MEAN 96.2 MAX 1,380 MIN 3.1 CFSM 2.77 IN 37.65

01191000 Connecticut River near Middletown, Conn.

LOCATION.--Lat 41°33'40", long 72°36'45", Middlesex County, on right bank 0.5 mile (0.8 km) upstream from Hodkin Rock, 2 miles (3 km) downstream from Middletown, and 30 miles (50 km) upstream from mouth.

DRAINAGE AREA.--10,882 mi^2 (28,184 km^2).

PERIOD OF RECORD.--October 1965 to current year. Jan. 1, 1947, to Sept. 30, 1948, twice daily readings on outside staff gage, and Sept. 8, 1948, to Oct. 14, 1965, infrequent discharge measurements at high stages and continuous graphic record of stage.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft (3.048 m) below mean sea level. Auxiliary digital water-stage recorder at same datum on right bank 3.8 miles (6.1 km) downstream, 120 ft (37 m) downstream from pier of United Aircraft Corporation (formerly Connecticut Advanced Nuclear Engineering Laboratory, CANEL).

REMARKS.--Volume records fair. Flow affected by ocean tides below a stage of 18.00 ft (5.486 m) and by storage in major reservoirs having a combined capacity of about 117 billion cubic feet (3.31 billion cubic meters). Some diversion from Chicopee River basin and regulation of flow by power plants. Volumes of flow in alternate directions are tabulated for each cycle of ebb and flood tide. Base data are simultaneous readings of gage heights obtained by two standard U.S. Geological Survey digital recorders located at the ends of a fairly uniform channel reach. Net volume cannot be accurately computed by taking the difference between successive volumes of upstream and downstream volumes, because channel storage is different at the beginning and end of each tidal change, and because net volume is a comparative small difference between two large numbers, and the errors in the large numbers would be greatly magnified in the difference.

Where 2 successive downstream or upstream volumes are shown on adjacent days, the portion of the volume occurring in each day should be combined to obtain total downstream or upstream volume for that ebb or flood tide.

Records of water quality at auxiliary gage for current year are in Part 2 of this report.

Discharge in cfs at 15 minute intervals are available upon request.

NOTE.--Incomplete gage-height record many days during year. Where no volume is shown, gage-height record was incomplete, however, discharge or volume may be available for partial days.

01193000 Connecticut River near Middletown, Conn.--Continued

OCTOBER 1972 DISCHARGE AT STATION 01193000

DAY	VOLUME IN MILLIONS OF CUBIC FEET						
1	220	-149	382	-160	77		
2	260	-190	193	-170	19		
3	287	-166	276	-183			
4	0	279	-195	265	-152		
5	-17	245	-172	271	0	7	-3
6	-15	276	-154	355	-57		
7	-62	520					
8	1130						
9	1100						
10	730						
11	590						
12	500						
13	309	-36	153				
14	590						
15	399	-191	405	-20			
16	-76	422	-146	464	-13		
17	-206	500	-318	483	-1		
18	-259	593	-318	444			
19	44	-276	777	-299	586		
20	119	-241	802	-411	444		
21	271	-358	834	-466	337		
22	375	-343	855	-435	194		
23	463	-405	963	-478	72		
24	574	-448	964	-496	0		
25	553	-351	533	-72	9		
26	579	-302	521	-88			
27	-14	584	-357	588	-414		
28	-79	587	-256	571	-214		
29	-178	501	-158	559	-40		
30	-118	538	-193	525			
31	0	-296	552	-269	605		

NOVEMBER 1972 DISCHARGE AT STATION 01193000

DAY	VOLUME IN MILLIONS OF CUBIC FEET				
1	6	-269	624	-365	543
2	50	-345	660	-338	539
3	132	-150	754	-293	371
4	152	-244	913	-329	379
5	509	-278	893	-189	224
6	182	-49	660	-121	188
7	321	-128	790	-181	111
8	503	-160	1018	-140	208
9	587	-83	503	-199	6
10	2914				
11	2434	-4	0		
12	2131				
13	1007	-12	941	0	
14	-17	1656			
15	1799				
16	1930				
17	1859				
18	198	-6	1642		
19	245	-50	876	-46	206
20	623	-33	928	-10	244
21	1567				
22	2033				
23	1884				
24	1510				
25	1815				
26	1987				
27	3149				
28	4217				
29	3438				
30	3212				

01193000 Connecticut River near Middletown, Conn.--Continued

DECEMBER 1972 DISCHARGE AT STATION 01193000

VOLUME IN MILLIONS OF CUBIC FEET

DAY					
1	2998				
2	2609				
3	2590				
4	2468				
5	2064				
6	2507				
7	2768				
8	4111				
9	3903				
10	3578				
11	3338				
12	3026				
13	2554				
14	2656				
15	3138				
16	2444				
17	1524				
18	212	-10	1196	-151	218
19	284	-4	800		
20	1241	0	213		
21	532	-24	1267	-30	78
22	608	-61	1029	-50	2
23	860	-9	1181	-36	
24	-1	821	0	1146	-55
25	-61	837	-109	763	-26
26	-75	890	-89	874	-17
27	-183	967	-289	546	
28	3	-119	1075	-220	373
29	23	-91	816	-105	675
30	114	-144	931	-171	514
31	177	-167	929	-142	546

JANUARY 1973 DISCHARGE AT STATION 01193000

VOLUME IN MILLIONS OF CUBIC FEET

DAY					
1	2177				
2	2939				
3	3353				
4	3537				
5	2863				
6	2691				
7	2118				
8	1556				
9	1822				
10	1460				
11	1316				
12	1499				
13	1669				
14	1568				
15	461	-3	795		
16	443	-48	595	0	29
17	559	-21	784		
18	675	-20	729		
19	730	-21	735		
20	0	-15	672	-36	764
21	900	-13	807		
22	2424				
23	2966				
24	4614				
25	5290				
26	5049				
27	4274				
28	3623				
29	3087				
30	2762				
31	2402				

01193000 Connecticut River near Middletown, Conn.--Continued

FEBRUARY 1973 DISCHARGE AT STATION 01193000

VOLUME IN MILLIONS OF CUBIC FEET

DAY				
1	2270			
2	2185			
3	3834			
4	5629			
5	5905			
6	5454			
7	4590			
8	3985			
9	3646			
10	3378			
11	2875			
12	2675			
13	2575			
14	2436			
15	2578			
16	1176	-79	1002	
17	1752			
18	771	0	765	
19	1621			
20	1757			
21	1668			
22	1627			
23	1677			
24	1697			
25	1640			
26	1248			
27	353	-1	734	
28	1351			

MARCH 1973 DISCHARGE AT STATION 01193000

VOLUME IN MILLIONS OF CUBIC FEET

DAY				
1	1409			
2	575	-2	636	
3	616	-9	625	-4
4	0	605	-18	744
5	1611			
6	1724			
7	1870			
8	2172			
9	2671			
10	3338			
11	3710			
12	3491			
13	3646			
14	5096			
15	5988			
16	5725			
17	5251			
18	6603			
19	8831			
20	9598			
21	8797			
22	7532			
23	6091			
24	4732			
25	3505			
26	3278			
27	3785			
28	4221			
29	4275			
30	3803			
31	2940			

01193500 Salmon River near East Hampton, Conn.

LOCATION.--Lat 41°33'11", long 72°34'57", Middlesex County, on right bank at Old Comstock Bridge, 150 ft (46 m) downstream from New London-Middlesex County line, 0.6 mile (1.0 km) downstream from Dickinson Creek, and 3.5 miles (5.6 km) southeast of East Hampton.

DRAINAGE AREA.--102 mi² (264 km²).

PERIOD OF RECORD.--July 1928 to current year.

GAGE.--Water-stage recorder. Datum of gage is 69.50 ft (21.184 m) above mean sea level.

AVERAGE DISCHARGE.--45 years, 178 ft³/s (5.041 m³/s), 23.69 in/yr (602 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,400 ft³/s (2.66 m³/s) Feb. 3, gage height, 7.38 ft (2.249 m); minimum, 22 ft³/s (0.62 m³/s) Sept. 12-14, gage height, 0.34 ft (0.104 m).

Period of record: Maximum discharge, 12,400 ft³/s (351 m³/s) Sept. 21, 1938, gage height, 10.96 ft (3.341 m), by computation of flow over dam half a mile (0.8 km) upstream; minimum, 1.0 ft³/s (0.028 m³/s) Oct. 31, 1935, gage height, -0.17 ft (-0.052 m); minimum daily, about 1 ft³/s (0.028 m³/s) Oct. 13, 1929.

PEAK DISCHARGE.--BASE, 1,300 ft³/s:

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	1200	3.88	1,380	12-06	2300	3.95	2,540
11-09	0400	3.08	1,600	01-01	0930	3.02	1,530
11-14	1900	3.14	1,660	02-03	1230	7.38	9,400
11-20	0900	3.06	1,550	04-28	0300	2.90	1,400
11-26	1300	3.32	1,860	05-21	0130	3.03	1,540

REMARKS.--Records excellent. Slight regulation at low flow by ponds upstream. Records of water quality for the current year are in Part 2 of this report. See REVISIONS summary paragraph in WDP 1981.

DISCHARGE, IN CUBIC FEET PER SECOND, DAILY MEAN VALUES OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	105	476	1,340	260	187	477	495	262	549	46	96
2	47	119	430	850	7,560	187	1,160	945	272	242	116	43
3	46	173	364	522	6,320	236	650	990	174	165	216	48
4	42	140	344	522	1,390	186	633	466	165	138	162	52
5	42	124	954	540	954	847	1,340	337	162	351	133	26
6	40	119	1,290	482	732	252	618	310	149	340	96	37
7	817	103	1,590	240	536	224	472	265	138	176	40	34
8	432	331	845	272	555	550	478	242	176	126	46	42
9	236	1,240	1,160	223	519	541	554	536	112	109	88	45
10	144	593	840	236	458	340	797	472	102	103	96	32
11	122	357	634	256	375	313	674	565	88	93	38	26
12	128	278	465	278	295	316	472	438	83	81	40	34
13	129	373	527	260	208	310	380	362	259	86	42	22
14	111	896	472	252	287	263	353	237	216	68	36	25
15	119	1,363	446	224	484	260	376	203	120	154	217	112
16	137	535	458	223	422	220	331	365	120	148	143	79
17	95	377	430	232	309	301	269	273	80	129	98	55
18	85	313	380	230	236	486	274	165	82	80	78	238
19	35	275	332	213	242	402	293	319	82	67	84	394
20	127	1,213	492	426	280	312	259	370	79	60	54	136
21	86	196	438	260	386	265	230	1,270	90	243	49	31
22	33	426	1,280	310	320	242	274	611	110	205	46	29
23	55	372	931	332	331	223	224	427	150	119	64	133
24	83	297	366	470	247	237	238	370	114	85	38	112
25	43	278	503	236	210	190	234	337	96	70	34	64
26	76	1,353	538	252	209	328	479	319	85	80	51	76
27	75	981	502	244	187	422	1,033	204	128	103	34	54
28	78	563	465	488	176	293	1,173	305	190	90	35	56
29	152	633	396	472	------	238	565	650	190	73	30	49
30	169	572	344	430	------	210	465	300	762	64	26	42
31	126	------	513	327	------	255	------	232	------	54	30	------
TOTAL	6,410	14,271	19,877	11,993	17,665	9,956	15,379	12,306	6,580	6,431	2,116	2,370
MEAN	139	476	641	387	633	321	513	397	159	143	68.3	79.0
MAX	817	1,897	1,580	1,340	9,320	686	1,170	1,270	762	549	217	238
MIN	40	103	337	232	176	187	234	242	78	54	26	22
CFSM	1.36	4.67	6.28	3.79	6.21	3.15	5.03	3.89	1.56	1.40	.67	.77
IN.	1.57	5.20	7.25	4.37	6.36	3.63	5.61	4.48	1.71	1.57	.77	.86

CAL YR 1972 TOTAL 128,681 MEAN 352 MAX 7,390 MIN 31 CFSM 3.45 IN 46.98
WTR YR 1973 TOTAL 119,119 MEAN 326 MAX 9,320 MIN 22 CFSM 3.20 IN 43.84

01193800 Hemlock Valley Brook at Hadlyme, Conn.

LOCATION.--41°25'42", long 72°25'23", Middlesex County, on right bank just upstream from culvert on Bone Mill Road at Hadlyme, 0.5 mile (0.8 km) upstream from mouth.

DRAINAGE AREA.--2.62 mi² (6.79 km²).

PERIOD OF RECORD.--July 1960 to current year.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 37.85 ft (11.537 m) above mean sea level.

AVERAGE DISCHARGE.--13 years,

EXTREMES.--Current year: Maximum discharge, 215 ft³/s (6.09 m³/s) Feb. 2, gage height, 2.48 ft (0.756 m); minimum, 3.16 ft³/s (0.005 m³/s) Aug. 1, gage height, 0.47 ft (0.143 m).

Period of record.--Maximum discharge, 270 ft³/s (7.65 m³/s) Mar. 6, 1963, gage height, 2.8 ft (0.85 m); minimum, 0.08 ft³/s (0.002 m³/s) Sept. 2, 1963.

PEAK DISCHARGE.--(BASE, 45 ft³/s, revised):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-09	0400	1.52	49	12-09	0430	1.51	48
11-20	0900	1.60	55	02-02	1900	2.48	215
11-26	1430	1.49	46	05-21	0330	1.68	62
12-06	2400	1.96	98				

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	2.6	14	31	19	6.5	18	8.5	6.3	6.2	1.1	1.3
2	1.1	3.5	6.5	15	21	6.2	30	6.1	5.6	3.9	11	1.1
3	.85	4.4	7.8	11	57	6.2	16	8.9	4.6	3.1	12	1.1
4	.85	4.3	7.3	26	23	13	20	11	5.0	2.9	5.2	.94
5	.85	3.9	20	16	17	6.5	28	8.0	4.8	3.4	3.3	.72
6	.85	2.6	34	10	14	7.0	15	7.4	4.3	2.6	2.5	1.6
7	21	2.4	42	7.0	12	7.0	12	5.9	4.1	1.9	2.0	2.4
8	2.6	4.8	22	6.5	11	19	15	5.6	3.6	1.5	1.7	1.1
9	3.3	32	17	6.0	13	14	12	25	3.1	1.2	1.5	.82
10	2.4	9.1	21	6.0	12	9.1	20	17	2.7	.98	1.3	.72
11	2.2	6.0	15	7.5	12	6.5	14	14	2.4	5.3	1.5	.69
12	2.2	5.0	12	7.3	11	9.1	10	14	2.1	3.5	1.5	.63
13	2.4	5.2	14	7.1	10	7.6	9.2	10	4.0	1.9	1.3	.59
14	2.0	22	11	7.0	8.5	7.3	8.5	9.0	4.0	1.5	1.0	.88
15	2.4	69	12	7.0	15	7.3	5.3	8.8	2.5	4.9	22	3.7
16	2.0	11	23	7.0	9.7	7.0	6.1	9.3	2.2	3.6	6.4	1.5
17	2.0	8.2	11	6.0	9.1	18	7.4	7.6	2.0	2.1	4.3	1.1
18	1.6	7.3	9.4	6.0	9.1	14	7.8	6.3	2.0	1.5	3.4	7.7
19	2.4	6.7	8.8	6.5	9.1	9.1	7.6	7.1	2.1	1.2	2.9	5.2
20	2.6	35	13	14	8.5	7.8	7.1	13	2.0	.97	3.0	2.7
21	2.0	15	12	6.5	7.9	7.2	6.6	61	2.1	7.6	2.9	1.7
22	2.0	9.8	31	7.9	7.9	7.0	5.6	18	3.4	5.1	3.4	1.4
23	1.8	7.2	22	15	7.6	6.5	5.4	12	4.5	2.9	3.0	7.6
24	1.8	7.3	15	8.8	7.3	6.2	7.1	12	2.9	2.0	2.3	4.9
25	1.8	7.0	13	7.6	6.7	6.0	6.0	9.6	2.1	1.5	1.9	3.4
26	1.8	31	11	7.0	6.5	19	17	8.8	1.8	2.9	1.7	2.6
27	1.0	19	11	7.9	6.5	11	17	8.4	3.9	2.4	1.7	2.1
28	3.1	11	9.1	17	6.5	8.1	25	11	4.2	2.2	1.8	2.1
29	7.0	6.6	7.9	21	------	7.3	17	9.9	3.6	1.7	1.6	1.8
30	6.0	5.2	7.9	20	------	7.1	9.4	7.5	14	1.3	1.3	1.5
31	2.1	------	15	19	------	8.9	------	7.4	------	1.2	1.1	------
TOTAL	41.90	331.5	444.5	351.2	407.9	286.6	360.6	356.1	111.9	85.85	112.0	65.59
MEAN	2.00	11.0	14.1	11.3	14.6	9.26	12.0	11.5	3.73	2.75	3.61	2.19
MAX	21	35	42	31	21	19	30	61	14	7.6	22	7.7
MIN	.85	2.6	7.3	6.0	6.5	6.0	6.0	6.6	1.9	.97	1.0	.59
CFSM	1.11	4.19	5.33	4.23	5.47	3.46	4.58	4.31	1.40	1.03	1.35	.82
IN.	1.24	4.60	5.95	4.69	5.45	3.83	5.10	4.95	1.55	1.19	1.50	.91

CAL YR 1972 TOTAL 3,380.26 MEAN 9.24 MAX 47 MIN .54 CFSM 3.46 IN 47.10
WTR YR 1973 TOTAL 3,078.74 MEAN 8.43 MAX 71 MIN .59 CFSM 3.16 IN 42.84

01194500 East Branch Eightmile River near North Lyme, Conn.

LOCATION.--Lat 41°25'40", long 72°20'05", New London County, on left bank at bridge on State Highway 156, 0.4 mi (0.6 km) upstream from mouth, 1.1 mi (1.8 km) north of North Lyme, 1.2 mi (1.9 km) south of North Plain, and 5.5 mi (8.8 km) upstream from mouth of Eightmile River.

DRAINAGE AREA.--22.3 mi^2 (57.8 km^2).

PERIOD OF RECORD.--September 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 54.21 ft (16.523 m) above mean sea level. Prior to Oct. 1, 1964, at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--36 years, 44.6 ft^3/s (1.263 m^3/s), 27.16 in/yr (690 mm/yr).

EXTREMES.--Current year: Maximum discharge, 958 ft^3/s (27.1 m^3/s) Feb. 3, gage height, 5.45 ft; minimum, 6.1 ft^3/s (0.17 m^3/s) Aug. 15, gage height, 1.26 ft (0.384 m).

Period of record: Maximum discharge, 2,950 ft^3/s (83.5 m^3/s) Sept. 21, 1938, gage height, 7.00 ft (2.134 m), computed on basis of study of flow at contracted control section; no flow Sept. 3, 1938, result of regulation; minimum daily, about 1.03 ft^3/s (0.001 m^3/s) Oct. 2, 1941.

PEAK DISCHARGE.--(BASE, 300 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-09	1300	4.46	618	12-07	0630	4.92	772
11-15	0430	4.04	464	01-01	1530	3.74	373
11-20	1800	4.10	485	02-03	0530	5.45	958
11-26	2330	3.65	348	05-21	1300	3.62	340

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	32	116	289	50	37	83	60	44	191	16	9.9
2	7.7	31	109	211	80	38	262	54	39	80	16	18
3	6.7	40	84	124	783	40	166	52	35	48	33	25
4	6.3	40	74	128	285	77	133	66	33	40	26	16
5	6.1	34	159	156	171	97	234	58	33	48	19	13
6	6.1	31	217	111	129	64	142	49	31	55	14	14
7	78	29	620	78	109	54	104	44	29	37	12	20
8	144	48	257	58	98	128	105	41	28	30	11	15
9	66	467	338	45	104	172	111	92	24	25	10	12
10	38	231	240	40	76	99	131	152	21	23	9.5	10
11	28	121	168	37	65	76	150	101	18	30	8.7	8.9
12	25	92	130	35	53	77	102	92	16	59	8.6	8.1
13	26	77	129	35	51	69	85	70	21	34	7.6	7.2
14	23	150	124	37	49	60	76	57	53	26	6.7	7.3
15	23	366	107	39	94	60	70	52	31	50	122	28
16	24	171	100	41	106	56	66	56	22	65	147	26
17	21	113	90	43	60	107	61	51	19	41	54	17
18	19	91	85	45	50	177	58	48	17	30	34	20
19	20	78	85	46	45	104	54	49	17	25	27	42
20	25	312	95	104	52	77	55	53	16	22	23	25
21	23	253	115	73	55	65	49	279	16	44	21	17
22	21	134	182	58	56	59	45	161	21	72	24	14
23	20	100	229	116	53	55	43	92	36	42	27	35
24	19	85	171	96	46	50	47	85	28	29	21	42
25	18	78	128	64	41	48	43	73	21	24	17	29
26	17	194	106	52	41	84	74	62	18	26	15	22
27	16	248	103	51	38	108	158	57	24	34	14	18
28	19	134	93	102	35	68	139	60	44	29	14	15
29	59	105	79	80	------	56	103	80	34	24	13	14
30	56	88	70	60	------	51	74	60	132	20	11	12
31	39	------	85	50	------	57	------	49	------	17	10	------
TOTAL	908.0	3,973	4,688	2,504	2,875	2,370	3,023	2,355	921	1,320	792.1	560.4
MEAN	29.3	132	151	80.8	103	76.5	101	76.0	30.7	42.6	25.6	18.7
MAX	144	467	620	289	783	177	262	279	132	191	147	42
MIN	6.1	29	78	35	35	37	43	41	16	17	6.7	7.2
CFSM	1.31	5.92	6.77	3.62	4.62	3.43	4.53	3.41	1.38	1.91	1.15	.84
IN.	1.51	6.63	7.82	4.18	4.80	3.95	5.04	3.93	1.54	2.20	1.32	.93

CAL YR 1972 TOTAL 29,925.8 MEAN 81.8 MAX 620 MIN 4.6 CFSM 3.67 IN 49.92
WTR YR 1973 TOTAL 26,289.5 MEAN 72.0 MAX 783 MIN 6.1 CFSM 3.23 IN 43.86

Reservoirs in Connecticut River basin

01185000. OTIS RESERVOIR.--Lat 42°09'35", long 73°03'33", Berkshire County, Mass., on Fall River in West Branch Farmington River basin, 1 mile (2 km) northeast of Cold Spring. Drainage area, 15.9 mi^2 (41.2 km^2). Usable capacity, 780,000,000 ft^3 (22,000,000 m^3). Records available, April 1913 to current year. Completed in 1865 for storage of water for power. Records furnished by the Massachusetts Department of Natural Resources, Division of Forests and Parks.

01185850. COLEBROOK RIVER LAKE.--Lat 42°00'22", long 73°02'12", Hartford County, Conn., on West Branch Farmington River, 1.6 miles (2.6 km) upstream from West Branch Reservoir, and 3.1 miles (5.0 km) north of Riverton. Drainage area 119 mi^2 (308 km^2). Usable capacity, 4,213,000,000 ft^3 (11,900,000 m^3). Records available, June 1969 to current year. Completed in June 1969 for multi-purpose use. Records furnished by Corps of Engineers.

01185900. WEST BRANCH RESERVOIR.--Lat 41°59'22", long 73°01'15", Hartford County, Conn., on West Branch Farmington River, 2 miles (3 km) west of Hartland, and 2 miles (3 km) north of Riverton. Drainage area, 127 mi^2 (329 km^2). Usable capacity, 374,000,000 ft^3 (10,600,000 m^3). Records available, March 1960 to current year. Completed in April 1960 for future storage of water for municipal supply of Hartford. Presently used to compensate for water diverted from the river. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01186090. MAD RIVER DETENTION RESERVOIR.--Lat 41°55'53", long 73°05'33", Litchfield County, Conn., on Mad River in West Branch Farmington River basin, 1.4 miles (2.3 km) northwest of Winsted. Drainage area, 18.3 mi^2 (47.4 km^2). Usable capacity, 423,000,000 ft^3 (12,000,000 m^3), including 8,000,000 ft^3 (200,000 m^3) storage in recreation pool. Records available, September 1964 to current year. Completed in 1962 by Corps of Engineers for storage of water for recreation and flood control. Operated and maintained by Park and Forest Commission of Connecticut, Department of Agriculture and Natural Resources. Records furnished by Corps of Engineers.

01186150. SUCKER BROOK RESERVOIR.--Lat 41°54'09", long 73°06'00", Litchfield County, Conn., at mouth of Sucker Brook, a tributary of Highland Lake in West Branch Farmington River basin, 2 miles (3 km) southwest of Winsted. Drainage area, 3.50 mi^2 (9.06 km^2). Usable capacity, 64,500,000 ft^3 (1,830,000 m^3). Records available, February 1971 to current year. Completed in 1970 by Corps of Engineers for storage of water for flood control. Operated and maintained by Park and Forest Commission of Connecticut, Department of Agriculture and Natural Resources. Records furnished by Corps of Engineers.

01186160. HIGHLAND LAKE.--Lat 41°55'22", long 73°04'58". Litchfield County, Conn., at head of the Lake Stream, a tributary of Mad River in West Branch Farmington River basin, at Winsted, and 0.4 mile (0.6 km) upstream from Mad River. Drainage area, 7.05 mi^2 (18.26 km^2). Usable capacity, 142,800,000 ft^3 (4,044,000 m^3), based on lake survey by Conn. Board of Fisheries and Game. Records available, September 1936 to current year. Dam raised to its present crest elevation in 1875. Lake used for storage of water for power, recreation, and flood control. Capacity and contents figures computed by U.S. Geological Survey.

01187500. BARKHAMSTED RESERVOIR.--Lat 41°54'38", long 72°57'15", Litchfield County, Conn., on East Branch Farmington River, 1.2 miles (1.9 km) south of Barkhamsted. Drainage area, 52.5 mi^2 (136.0 km^2). Usable capacity, 4,050,000,000 ft^3 (115,000,000 m^3). Records available, October 1950 to current year. For period March 1940 to September 1950, conbimed month-end contents for Barkhamsted, East Branch, and Nepaug Reservoirs are given in WSP 1301. Completed in 1939 for storage of water for municipal supply of Hartford. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01187600. EAST BRANCH RESERVOIR.--Lat 41°52'49", long 72°57'30", Litchfield County, Conn., on East Branch Farmington River in Farmington River basin, 1 mile (2 km) east of New Hartford. Drainage area, including Barkhamsted Reservoir, 61.2 mi^2 (158.5 km^2). Usable capacity, 393,000,000 ft^3 (11,100,000 m^3). Records available, October 1950 to current year. For period August 1928 to September 1950, combined month-end contents for Barkhamsted, East Branch, and Nepaug Reservoirs are given in WSP 1301. Completed in 1919 for storage of water to compensate for water diverted from the river for municipal supply of Hartford. Since the construction of West Branch Reservoir in April 1960, it has been used only for recreation. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01187900. NEPAUG RESERVOIR.--Lat 41°49'37", long 72°56'34", Litchfield County, Conn., on Nepaug River in Farmington River basin, 1.5 miles (2.4 km) northwest of Collinsville. Drainage area, 31.6 mi^2 (81.8 km^2). Usable capacity, 1,270,000,000 ft^3 (36,000,000 m^3). Records available, August 1928 to current year. Completed in 1918 for storage of water for municipal supply of Hartford. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01188500. WHIGVILLE RESERVOIR.--Lat 41°44'08", long 72°57'02", Hartford County, Conn., on Whigville Brook in Pequabuck River basin, at Whigville. Drainage area, 4.10 mi^2 (10.62 km^2). Usable capacity, 5,050,000 ft^3 (143,000 m^3). Records available, July 1928 to current year. Completed in 1908 for storage of water for municipal supply of New Britain. Records furnished by Board of Water Commissioners, New Britain, Conn.

Reservoirs in Connecticut River basin--continued

Month-end usable contents, in millions of cubic feet, water year October 1972 to September 1973

Date	Otis Reservoir	Colebrook River Lake	West Branch Reservoir	Mad River Detention Reservoir	Highland Lake
Sept. 30, 1972.....	680.3	820	309	8.4	59.7
Oct. 31.....	578.7	340	213	8.4	49.4
Nov. 30.....	438.0	1,010	220	8.8	81.2
Dec. 31.....	358.2	1,486	328	---	78.7
Jan. 31, 1973.....	352.0	1,985	377	8.9	76.2
Feb. 28.....	364.3	1,936	377	9.4	91.5
Mar. 31.....	564.0	2,271	377	---	97.6
Apr. 30.....	699.5	2,275	377	8.7	132.3
May 31.....	699.5	2,285	377	8.8	120.1
June 30.....	703.3	2,120	377	11.4	142.8
July 31.....	691.8	1,995	377	8.4	142.8
Aug. 31.....	695.7	1,751	152	8.4	103.4
Sept. 30.....	676.5	574	279	8.4	39.0

Date	Sucker Brook Reservoir	Barkhamsted Reservoir	East Branch Reservoir	Nepaug Reservoir	Whigville Reservoir
Sept. 30, 1972.....	0.04	3,808	324	1,162	2.8
Oct. 31.....	.09	3,632	123	1,184	3.1
Nov. 30.....	.22	4,047	201	1,269	5.1
Dec. 31.....	.22	4,054	393	1,269	5.1
Jan. 31, 1973.....	.35	4,054	393	1,269	4.8
Feb. 28.....	.26	4,054	321	1,269	4.1
Mar. 31.....	.44	4,054	393	1,269	5.1
Apr. 30.....	.17	4,054	393	1,243	5.1
May 31.....	.17	4,054	393	1,269	5.1
June 30.....	.52	4,054	393	1,269	5.1
July 31.....	.09	3,965	362	1,262	4.5
Aug. 31.....	.04	3,756	360	1,222	2.7
Sept. 30.....	.04	3,632	374	1,171	2.7

01195200 Neck River near Madison, Conn.

LOCATION.--Lat 41°16'57", long 72°37'11", New Haven County, on left bank just upstream from culvert on Fort Path Road, 1.2 miles (1.9 km) west of Madison, and 3.5 miles (5.6 km) upstream from mouth.

DRAINAGE AREA.--6.55 mi^2 (16.96 km^2).

PERIOD OF RECORD.--September 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 8.93 ft (2.722 m) above mean sea level.

AVERAGE DISCHARGE.--12 years, 11.2 ft^3/s (0.317 m^3/s), 23.22 in/yr (590 mm/yr).

EXTREMES.--Current year: Maximum discharge, 274 ft^3/s (7.76 m^3/s) Feb. 3, gage height, 4.26 ft (1.298 m); minimum, 0.67 ft^3/s (0.019 m^3/s) Sept. 13, 14, gage height, 0.86 ft (0.262 m).

Period of record: Maximum discharge, 322 ft^3/s (9.12 m^3/s) Apr. 2, 1970, gage height, 4.58 ft (1.396 m); no flow Sept. 24, 26, 27, 1964, Aug. 1, 1965.

PEAK DISCHARGE.--(BASE, 60 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-08	0130	3.21	119	12-09	1700	2.88	86
11-09	1630	3.05	103	12-23	0100	2.71	69
11-15	0900	3.03	101	02-03	0830	4.26	274
11-20	2100	3.32	133	04-02	1100	3.38	142
11-27	0330	2.78	76	04-05	1100	2.88	84
12-07	1130	3.15	113	04-28	0330	2.60	61
				05-21	1400	3.46	152

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	7.4	24	41	14	10	24	20	13	33	1.9	1.3
2	1.6	7.0	24	33	48	12	114	19	11	15	11	1.2
3	1.5	10	20	22	213	12	53	19	9.5	8.0	25	1.1
4	1.5	11	19	24	69	21	35	24	9.3	6.1	13	1.1
5	1.4	8.3	24	33	37	26	75	22	10	7.2	5.4	1.1
6	1.4	6.1	33	24	28	19	40	19	8.6	6.7	3.2	1.4
7	53	5.7	94	19	25	16	26	18	7.8	4.3	2.4	1.6
8	77	12	46	12	24	25	32	17	7.3	3.1	2.1	1.1
9	20	85	71	10	26	33	29	32	6.1	2.6	1.9	.93
10	8.8	54	52	8.8	21	22	50	46	5.2	2.4	1.8	.82
11	4.9	25	35	8.6	18	19	36	32	4.1	2.5	1.6	.77
12	4.2	20	26	8.3	15	18	24	30	3.4	3.4	1.6	.77
13	5.0	17	25	7.8	14	18	20	24	3.5	2.5	1.5	.67
14	4.7	32	25	7.6	13	16	18	21	6.4	2.1	1.4	.77
15	4.3	85	23	8.3	27	16	17	20	4.6	9.8	5.5	2.7
16	3.9	39	35	8.8	31	15	16	21	3.2	18	10	2.4
17	3.7	25	27	10	21	23	15	19	2.9	7.0	3.7	1.8
18	3.1	21	20	11	16	30	15	20	2.7	3.2	2.3	8.3
19	4.7	19	18	11	15	21	15	21	2.7	2.4	1.9	25
20	5.9	80	21	20	14	17	15	21	2.7	2.2	1.7	10
21	4.7	74	25	22	16	15	14	114	2.8	15	1.6	3.4
22	3.7	32	44	12	18	14	14	55	4.9	20	2.0	2.4
23	3.5	24	57	23	18	12	14	28	14	8.8	2.4	4.9
24	3.5	21	38	21	15	12	15	29	8.4	3.7	2.0	7.6
25	3.4	20	27	15	13	11	15	25	4.7	2.6	1.6	3.7
26	3.2	41	23	12	13	25	23	21	3.6	4.0	1.5	2.5
27	3.2	62	24	11	12	33	46	19	5.7	7.4	1.4	2.0
28	3.6	32	22	23	10	20	52	20	14	4.5	1.5	1.7
29	15	25	19	34	------	16	32	22	9.0	3.0	1.4	1.5
30	17	22	18	30	------	14	23	18	22	2.4	1.4	1.3
31	12	------	22	20	------	17	------	15	------	2.0	1.2	------
TOTAL	285.3	922.5	981	551.2	804	578	917	831	213.1	214.9	116.9	95.83
MEAN	9.20	30.8	31.6	17.8	28.7	18.6	30.6	26.8	7.10	6.93	3.77	3.19
MAX	77	85	94	41	213	33	114	114	22	33	25	25
MIN	1.4	5.7	18	7.6	10	10	14	15	2.7	2.0	1.2	.67
CFSM	1.40	4.70	4.82	2.72	4.38	2.84	4.67	4.09	1.08	1.06	.58	.49
IN.	1.62	5.24	5.57	3.13	4.57	3.28	5.21	4.72	1.21	1.22	.66	.54

CAL YR 1972 TOTAL 7,477.50 MEAN 20.4 MAX 290 MIN 1.2 CFSM 3.11 IN 42.47
WTR YR 1973 TOTAL 6,510.73 MEAN 17.8 MAX 213 MIN .67 CFSM 2.72 IN 36.98

01196500 Quinnipiac River at Wallingford, Conn.

LOCATION.--Lat 41°26'58", long 72°50'29", New Haven County, on right bank on Wilbur Cross Highway, 0.8 mi (1.3 km) downstream from bridge on Quinnipiac Street in Wallingford, and 2 mi (3 km) upstream from Wharton Brook.

DRAINAGE AREA.--110 mi^2 (285 km^2).

PERIOD OF RECORD.--October 1930 to current year.

GAGE.--Water-stage recorder and timber control. Datum of gage is 19.24 ft (5.864 m) above mean sea level. Prior to Jan. 27, 1965, at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE(adjusted for storage and diversion since October 1960).--43 years, 203 ft^3/s (5.749 m^3/s, 25.06 in/yr (637 mm/yr)

EXTREMES.--Current year: Maximum discharge, 3,590 ft^3/s (102 m^3/s) Feb. 3, gage height, 9.91 ft (3.021 m); minimum, 21 ft^3/s (0.59 m^3/s) Oct. 28, gage height, 0.57 ft (0.174 m).

Period of record: Maximum discharge, 5,230 ft^3/s (148 m^3/s) Sept. 21, 1938, gage height, 10.55 ft (3.216 m), present datum, by computation of peak discharge over dam 1 mile (2 km)upstream; minimum, 8 ft^3/s (0.227m^3/s) Nov. 2, 1930.

PEAK DISCHARGE.--(BASE, 900 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	1600	5.88	1,020	04-02	0230	7.19	1,510
11-14	2030	5.90	1,030	04-05	0030	6.42	1,200
11-26	1500	5.97	1,050	04-11	1000	5.76	988
01-01	0830	6.41	1,190	04-28	0530	5.58	940
02-03	0200	9.91	3,590	05-21	0430	5.79	1,000

REMARKS.--Records good. Flow regulated by Wolcott Reservoir (see station 01195800), Broad Brook Reservoir (see station 01196225), Bradley Hubbard Reservoir (see station 01196240), and by mills upstream. Diversion from Wolcott Reservoir for municipal supply of New Britain. Records of water quality for the current year are published in Part 2 of this report. See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	171	750	1,070	268	230	522	328	322	488	98	87
2	90	175	450	1,010	798	236	1,250	299	265	259	172	83
3	83	154	360	608	3,290	245	833	295	233	187	247	72
4	81	119	330	566	2,020	348	635	332	221	218	172	70
5	81	119	450	576	890	354	1,130	307	221	448	126	67
6	81	109	920	472	610	292	775	271	215	368	108	69
7	558	31	1,200	346	504	274	492	253	212	224	101	75
8	564	154	640	270	456	474	478	241	227	176	95	71
9	360	713	1,300	260	494	608	458	392	209	155	93	68
10	179	442	800	245	410	420	635	416	185	143	90	61
11	40	253	580	235	340	334	888	478	171	139	161	61
12	47	221	448	225	301	326	536	436	165	134	220	61
13	107	182	432	220	293	307	414	320	164	284	117	60
14	107	482	400	220	216	290	364	280	191	147	99	68
15	105	788	378	225	398	293	344	266	164	165	110	160
16	196	464	402	238	418	286	330	290	147	193	96	120
17	194	292	350	241	313	474	326	272	141	151	92	85
18	105	247	298	244	271	655	247	296	136	132	87	248
19	111	226	277	251	219	450	233	309	139	122	85	278
20	111	612	326	360	216	342	290	299	136	115	80	178
21	107	544	354	301	274	295	268	843	135	224	84	101
22	102	338	580	265	219	275	253	665	141	223	91	95
23	101	274	713	715	293	263	253	388	161	154	87	150
24	102	221	620	592	268	250	298	338	148	126	81	135
25	99	223	514	354	267	241	268	295	134	115	77	109
26	97	670	458	295	264	448	470	275	127	148	74	90
27	93	520	478	290	261	450	795	266	161	161	76	80
28	33	390	442	418	232	311	825	338	233	136	81	76
29	37	330	380	430	------	266	562	420	257	117	76	71
30	65	300	326	340	------	248	396	334	460	107	72	66
31	134	------	404	307	------	265	------	324	------	102	70	------
TOTAL	4,271	9,764	16,360	12,189	14,93	10,550	15,508	10,866	5,821	5,861	3,318	3,005
MEAN	138	325	528	393	95	340	517	351	194	189	107	100
MAX	564	788	1,300	1,070	3,90	655	1,250	843	460	488	247	278
MIN	33	31	277	220	32	230	233	241	127	102	70	60
(†)	-2.7	+10.9	+9.4	+5.3	+.4	+6.3	+5.1	+6.2	+0.8	+2.5	-3.7	-3.7
MEAN¶	135	336	537	398	41	346	522	357	195	192	103	96.3
CFSM¶	1.23	3.05	4.88	3.62	492	3.15	4.75	3.25	1.77	1.75	0.94	0.88
IN¶	1.42	3.40	5.63	4.17	512	3.63	5.30	3.75	1.98	2.02	1.08	0.98

CAL YR 1972 TOTAL 122,234 MEAN 334 MAX 2,10 MIN 31 MEAN¶ 337 CFSM¶ 3.06 IN¶ 41.45
WTR YR 1973 TOTAL 112,496 MEAN 308 MAX 3,10 MIN 31 MEAN¶ 312 CFSM¶ 2.84 IN¶ 38.48

† Change in contents in Wolcott, Broad Brook, and Bradley Hubbard Reservoirs, and diversion from Wolcott Reservoir, equivalent in cubic feet per second;records furnished by cities of New Britain and Meriden.

¶ Adjusted for diversion and change in contents.

01196580 Muddy River near North Haven, Conn.

LOCATION.--Lat 41°22'07", long 72°50'31", New Haven County, on left bank at downstream side of bridge on Velvet Street, 2 miles (3 km) southeast of North Haven, and 3 miles (5 km) upstream from mouth.

DRAINAGE AREA.--18.0 mi^2 (46.6 km^2).

PERIOD OF RECORD.--September 1962 to September 1973 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 20.58 ft (6.273 m) above mean sea level.

AVERAGE DISCHARGE(adjusted for diversion).--11 years, 29.8 ft^3/s (0.844 m^3/s), 22.48 in/yr (571 mm/yr).

EXTREMES.--Current year: Maximum discharge, 810 ft^3/s (22.9 m^3/s) Feb. 2, gage height, 3.10 ft (0.945 m); minimum, 2.2 ft^3/s (0.062 m^3/s) Sept. 11-13, gage height, 0.71 ft (0.216 m).

Period of record: Maximum discharge, 1,300 ft^3/s (36.8 m^3/s) Feb. 3, 1970; maximum gage height, 4.84 ft (1.475 m) Feb. 12, 1963, backwater from ice; minimum discharge, 0.10 ft^3/s (0.003 m^3/s), Sept. 10, 1963; minimum gage height, 0.36 ft (0.110 m) July 28, 1964.

PEAK DISCHARGE.--(Base, 250 ft^3/s, revised):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	1700	2.14	301	02-02	2030	3.10	810
11-14	1900	2.13	297	03-26	1130	2.03	260
11-26	1330	2.13	297	04-01	2300	2.48	460
12-06	2300	2.18	317	04-04	2230	2.16	309
				05-21	0330	2.08	278

REMARKS.--Records good except those for period of missing record, which are fair. Diversion upstream for municipal supply of city of Wallingford.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	7.6	76	209	119	25	170	55	33	30	7.0	5.8
2	4.8	9.6	51	112	242	26	230	51	31	20	25	4.6
3	4.1	17	44	88	468	29	123	49	28	13	30	3.5
4	3.8	12	38	133	239	70	148	55	28	19	20	9.1
5	3.5	12	72	105	158	49	188	45	27	37	15	9.1
6	3.6	11	135	77	111	40	110	40	24	24	8.0	4.8
7	145	8.5	165	60	93	38	90	34	22	15	7.0	6.7
8	64	41	97	50	85	116	114	31	21	13	6.0	4.1
9	19	120	178	45	90	72	86	107	19	12	5.5	3.6
10	12	38	110	40	70	58	133	70	19	14	5.5	3.3
11	10	26	85	38	57	56	94	76	18	11	6.0	9.1
12	9.7	22	78	37	50	59	73	59	14	11	6.0	2.7
13	10	19	76	36	45	50	64	51	15	9.1	5.5	2.6
14	8.9	134	64	35	39	47	59	42	19	7.7	4.5	3.6
15	10	122	58	31	78	49	54	43	15	30	50	7.6
16	9.0	59	86	33	57	45	50	47	13	25	30	4.6
17	7.1	45	64	33	50	103	47	35	15	15	15	9.1
18	8.3	38	55	33	45	91	44	57	13	10	9.0	19
19	8.2	33	43	35	37	40	44	46	12	8.0	8.0	15
20	9.7	148	63	73	35	51	49	57	11	7.0	7.3	6.6
21	7.4	65	63	41	38	46	40	180	11	20	7.7	4.9
22	8.2	48	146	40	43	44	38	82	13	15	7.5	4.1
23	8.9	40	121	112	39	40	36	66	17	10	6.9	15
24	8.4	36	107	56	33	35	44	67	15	9.0	6.1	11
25	7.6	34	86	46	30	38	33	57	13	8.0	9.1	7.0
26	6.5	174	77	40	30	140	89	52	11	12	5.3	4.9
27	6.1	94	90	44	27	69	101	49	13	12	6.3	3.8
28	7.7	61	70	79	27	49	134	62	20	10	5.2	3.5
29	16	52	61	71	------	45	81	59	18	8.0	4.5	3.5
30	15	45	56	105	------	42	64	42	70	7.5	4.0	3.7
31	8.7	------	95	55	------	51	------	38	------	7.0	3.7	------
TOTAL	455.7	1,571.7	2,602	1,992	2,435	1,731	2,630	1,803	598	449.3	336.6	195.1
MEAN	14.7	52.4	83.9	64.3	87.0	55.8	87.7	58.2	19.9	14.5	10.9	6.50
MAX	145	174	178	209	468	140	230	180	70	37	50	19
MIN	3.5	7.6	38	31	27	25	33	31	11	7.0	3.7	2.6
(†)	+6.8	+2.1	+6.2	+1.2	+1.2	+1.3	+3.3	+1.3	+1.7	+1.3	+1.4	+4.85
MEAN†	21.5	54.5	90.1	65.5	88.2	57.1	91.0	59.5	21.6	15.8	12.3	11.4
CFSM†	1.19	3.03	5.01	3.64	4.90	3.17	5.06	3.31	1.20	0.88	0.68	0.63
IN†	1.37	3.38	5.78	4.20	5.10	3.66	5.64	3.82	1.34	1.02	0.78	0.70

CAL YR 1972 TOTAL 18,525.5 MEAN 50.6 MAX 699 MIN 3.4 MEAN† 52.7 CFSM† 2.93 IN† 39.44
WTR YR 1973 TOTAL 16,799.4 MEAN 46.0 MAX 468 MIN 2.6 MEAN† 48.7 CFSM† 2.71 IN† 36.79

Note.--No gage-height record July 15 to Aug. 20

Diversion from Pine River Reservoir, equivalent in cubic feet per second; records furnished by Water Division, town of Wallingford.

† Adjusted for diversion.

Reservoirs in Quinnipiac River basin

01195800. WOLCOTT RESERVOIR.--Lat 41°36'35", long 72°56'08", New Haven County, Conn., on Roaring Brook in Eight-mile River basin, 2.1 miles (3.4 km) northeast of Wolcott. Drainage area, 2.45 mi^2 (6.35 km^2). Completed in 1904 for storage of water for municipal supply of city of New Britain. Usable capacity, 22,700,000 ft^3 (643,000 m^3). Records available, September 1960 to current year. Records furnished by Board of Water Commissioners, New Britain, Conn.

01196225. BROAD BROOK RESERVOIR.--Lat 41°31'20", long 72°51'34", New Haven County, Conn., on Broad Brook in Quinnipiac River basin, 3 miles (5 km) southwest of Meriden. Drainage area, 4.85 mi^2 (12.56 km^2). Completed in 1907 for storage of water for municipal supply of city of Meriden. Usable capacity, 134,000,000 ft^3 (3,800,000 m^3). Records available, September 1970 to current year. Records furnished by Water Department, city of Meriden, Conn.

01196240. BRADLEY HUBBARD RESERVOIR.--Lat 41°33'24", long 72°45'47", New Haven County, Conn., on Harbor Brook in Quinnipiac River basin, 2 miles (3 km) northeast of Meriden. Drainage area, 0.59 mi^2 (1.53 km^2). Completed in 1854 by Connecticut Light and Power Company and now used for storage of water for municipal supply of city of Meriden. Usable capacity, 22,500,000 ft^3 (637,000 m^3). Records available, September 1970 to current year. Records furnished by Water Department, City of Meriden, Conn.

Month-end usable contents, in millions of cubic feet, water year October 1972 to September 1973

Date	Wolcott Reservoir	Broad Brook Reservoir	Bradley Hubbard Reservoir
Sept. 30, 1972.....	8.8	133	21.3
Oct. 31.....	4.6	123	20.6
Nov. 30.....	13.9	134	22.5
Dec. 31.....	22.7	134	22.5
Jan. 31, 1973.....	21.4	134	22.5
Feb. 28.....	22.4	134	22.5
Mar. 31.....	22.7	134	22.5
Apr. 30.....	21.7	134	22.5
May 31.....	22.7	134	22.5
June 30.....	27.7	136	22.5
July 31.....	10.9	134	20.7
Aug. 31.....	6.1	122	22.5
Sept. 30.....	5.9	116	21.9
			19.8

01198800 Hollenbeck River at Huntsville, Conn.

LOCATION.--Lat 41°56'55", long 73°19'18", Litchfield County, at bridge on State Highway 63, 0.5 mile (0.8 km) northwest of Huntsville.

DRAINAGE AREA.--18.1 mi^2 (46.9 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1966-67. October 1, 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 649.57 ft (197.989 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 292 ft^3/s (8.27 m^3/s) Feb. 3, gage height, 8.85 ft (2.697 m); minimum 2.0 ft^3/s (0.057 m^3/s) Aug. 23; minimum gage height, 2.00 ft (0.610 m) Aug.11, 16, 22, 23.

Period of record: Maximum discharge, 352 ft^3/s (9.97 m^3/s) July 3, 1972, gage height, 9.36 ft (2.853 m); minimum, 1.3 ft^3/s (0.037 m^3/s) Sept. 7, 1972.

PEAK DISCHARGE.--(BASE, 200 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-26	1630	7.94	234	03-17	1930	7.70	240
12-07	0030	8.17	246	04-02	0630	7.38	226
01-01	1200	7.80	216	04-04	2330	7.48	232
01-23	0430	7.47	212	04-10	1430	6.80	202
02-03	0230	8.85	292	05-18	1200	7.44	219
03-08	1730	7.15	212	06-30	1130	8.40	283

REMARKS.--Records good. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	8.3	71	210	27	19	68	42	42	114	6.7	12
2	6.6	10	52	156	104	20	214	38	42	47	42	9.1
3	5.8	21	43	82	252	23	149	43	30	29	46	5.3
4	5.2	12	45	72	167	68	134	63	26	45	19	3.4
5	5.6	8.6	50	73	110	73	201	44	26	136	10	2.8
6	6.7	7.3	123	46	83	65	130	38	22	77	7.6	2.8
7	71	5.1	207	45	68	57	96	31	25	42	6.2	3.7
8	76	25	117	43	60	155	84	28	21	28	5.5	3.3
9	23	116	186	42	52	132	71	40	19	22	4.8	3.1
10	10	48	147	41	61	84	140	48	14	18	4.5	2.8
11	6.0	26	105	40	47	66	135	153	12	15	4.0	2.7
12	4.6	22	74	38	46	74	91	97	11	12	4.2	2.5
13	5.2	17	79	35	45	77	72	69	21	11	4.1	2.5
14	3.8	80	72	34	43	64	61	50	22	11	3.8	3.5
15	6.4	138	55	33	42	70	53	44	16	12	3.4	11
16	5.8	57	56	31	41	59	48	77	13	15	3.6	3.5
17	5.0	36	50	31	35	133	45	50	12	11	3.6	4.0
18	4.0	28	47	27	33	188	42	157	11	9.9	3.1	5.8
19	3.8	23	46	29	30	106	51	121	11	9.2	3.0	7.3
20	4.4	104	45	85	27	78	50	81	11	8.7	2.9	5.7
21	3.5	82	43	49	25	61	42	169	12	17	2.5	5.0
22	3.5	45	66	42	30	53	39	119	14	17	2.4	4.9
23	4.6	32	67	167	30	46	36	78	16	11	2.2	11
24	6.0	23	46	64	25	42	48	63	14	8.5	2.1	9.0
25	5.8	21	37	37	22	40	37	51	13	7.5	2.6	6.6
26	5.6	140	33	30	20	96	40	45	12	7.5	2.7	3.9
27	5.6	157	32	27	19	84	61	44	13	18	3.0	3.0
28	6.6	80	26	30	19	55	135	52	25	33	4.5	2.8
29	9.8	61	24	29	------	47	81	87	38	15	7.2	2.4
30	10	46	19	28	------	43	53	51	223	9.7	5.2	2.4
31	8.7	------	69	27	------	47	------	55	------	7.8	4.4	------
TOTAL	336.6	1,479.3	2,132	1,723	1,563	2,225	2,507	2,128	787	824.8	226.8	147.8
MEAN	10.9	49.3	68.8	55.6	55.8	71.8	83.6	68.6	26.2	26.6	7.32	4.93
MAX	76	157	207	210	252	188	214	169	223	136	46	12
MIN	3.5	5.1	19	27	19	19	36	28	11	7.5	2.1	2.4
CFSM	.60	2.72	3.80	3.07	3.08	3.97	4.62	3.79	1.45	1.47	.40	.27
IN.	.69	3.04	4.38	3.54	3.21	4.57	5.15	4.37	1.62	1.70	.47	.30

CAL YR 1972 TOTAL 20,390.3 MEAN 55.7 MAX 258 MIN 2.4 CFSM 3.08 IN 41.91
WTR YR 1973 TOTAL 16,080.3 MEAN 44.1 MAX 252 MIN 2.1 CFSM 2.44 IN 33.05

01198851 Wangum Lake Brook near Huntsville, Conn.

LOCATION.--Lat 41°56'36", long 73°17'08", Litchfield County, on left bank, 300 ft (90 m) downstream from Under Mountain Road, 1.5 miles (2.4 km) east of Huntsville.

DRAINAGE AREA.--5.32 mi^2 (13.78 km^2).

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder and V-notch weir. Datum of gage is 678.46 ft (206.795 m) above mean sea level. Prior to Oct. 25, 1972, at site 300 ft (90 m) upstream at same datum.

EXTREMES.--Current year: Maximum discharge, 175 ft^3/s (4.96 m^3/s), Feb. 2; minimum, 0.31 ft^3/s (0.009 m^3/s) Aug. 27.

Period of record: Maximum discharge, 640 ft^3/s (18.1 m^3/s) July 3, 1972, gage height, 6.20 ft (1.890 m), at present site and datum, from floodmarks, on basis of slope-area measurement at site 200 ft (60 m) upstream; minimum, 0.01 ft^3/s (<0.001 m^3/s) Aug. 19, 1971.

Periods of no flow were observed in the summer of 1970.

PEAK DISCHARGE.--(BASE, 60 ft^3/s, revised):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-14	1800	1.59	63	03-17	1530	1.80	103
11-26	1100	1.85	97	04-04	1900	1.70	86
12-07	0030	1.78	99	05-18	0730	1.55	68
01-01	0700	1.86	109	05-28	2230	1.56	69
02-02	2200	2.25	175	06-30	0630	1.71	87
03-08	1030	1.70	89	07-05	0800	1.67	76

REMARKS.--Records fair. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.7	21	81	10	2.3	14	12	13	22	2.3	2.8
2	1.2	3.8	19	43	30	3.0	50	11	12	12	15	1.5
3	.90	8.3	16	27	94	3.5	33	12	8.8	7.6	13	1.2
4	.80	6.7	15	23	39	11	39	13	8.0	12	7.9	1.0
5	.80	7.0	17	19	27	16	47	11	7.3	39	4.9	.90
6	.80	6.7	25	15	22	15	31	8.8	6.3	23	3.5	.80
7	15	5.7	52	12	18	15	22	7.6	5.7	15	2.6	.80
8	16	16	29	10	16	50	19	7.3	4.8	10	1.9	1.0
9	5.0	30	46	9.0	14	32	16	9.2	4.3	7.6	1.6	.80
10	3.0	15	34	7.0	12	23	27	9.7	3.3	6.0	1.4	.70
11	2.5	12	26	6.0	10	18	25	35	2.8	5.0	1.3	.65
12	2.3	11	22	5.5	9.0	21	19	23	2.3	4.0	1.2	.60
13	2.5	8.8	31	5.0	8.0	19	16	17	4.8	3.0	1.1	.60
14	2.2	31	25	5.0	7.0	16	13	13	4.3	2.8	1.1	1.8
15	2.5	29	22	4.5	6.5	15	12	13	2.5	3.8	1.1	2.0
16	2.0	17	20	4.3	6.0	14	11	19	2.2	3.5	1.1	1.0
17	1.8	14	20	4.5	6.0	40	9.2	14	2.0	2.5	1.1	1.1
18	1.6	12	16	5.0	5.0	38	8.8	45	2.0	2.3	.95	1.9
19	1.5	11	19	6.3	5.0	22	8.3	28	1.9	2.0	.95	1.9
20	1.5	27	13	16	4.5	17	7.3	24	1.9	2.0	.95	1.7
21	1.4	18	11	14	4.2	14	6.3	41	2.0	3.6	.95	1.4
22	1.4	13	18	13	3.8	12	6.0	30	2.2	2.7	.87	1.3
23	1.3	12	18	29	3.5	9.7	5.7	21	2.3	1.9	.82	3.2
24	1.3	8.8	15	17	3.3	8.0	6.7	17	2.5	1.9	.84	2.1
25	1.2	8.0	14	14	3.0	7.3	6.3	15	2.8	1.9	.76	1.7
26	1.1	52	13	11	3.0	18	8.8	13	2.8	1.7	.79	1.3
27	1.3	35	16	10	2.5	16	12	12	3.0	12	.57	.90
28	1.3	23	7.0	9.7	3.0	12	26	16	4.5	12	.81	.65
29	2.0	18	6.0	11	------	10	19	31	6.0	5.4	1.1	.60
30	2.3	16	6.0	12	------	8.8	16	19	50	3.8	1.1	.60
31	1.9	------	24	10	------	8.8	------	17	------	2.8	2.3	------
TOTAL	41.90	477.5	636.0	458.8	375.3	515.4	540.4	564.6	178.3	234.8	75.86	38.50
MEAN	2.64	15.9	20.5	14.8	13.4	16.6	18.0	18.2	5.94	7.57	2.45	1.28
MAX	16	52	52	81	94	50	50	45	50	39	15	3.2
MIN	.80	1.7	6.0	4.3	2.5	2.3	5.7	7.3	1.9	1.7	.57	.60
CFSM	.50	2.99	3.85	2.78	2.52	3.12	3.38	3.42	1.12	1.42	.46	.24
IN.	.57	3.34	4.45	3.21	2.62	3.60	3.78	3.95	1.25	1.64	.53	.27

CAL YR 1972 TOTAL 5,323.07 MEAN 14.5 MAX 127 MIN .65 CFSM 2.73 IN 37.22
WTR YR 1973 TOTAL 4,177.36 MEAN 11.4 MAX 94 MIN .57 CFSM 2.14 IN 29.21

01198860 Deming Brook near Huntsville, Conn.

LOCATION.--Lat 41°57'52", long 73°18'07", Litchfield County, on left bank, 20 ft (6 m) downstream from Under Mountain Road, 0.6 mile (1.0 km) upstream from mouth, and 1.5 miles (2.4 km) northeast of Huntsville.

DRAINAGE AREA.--1.08 mi^2 (2.80 km^2).

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 782.51 ft (238.509 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 109 ft^3/s (3.09 m^3/s) Feb. 2, gage height, 2.00 ft (0.610 m); minimum, 0.05 ft^3/s (0.001 m^3/s) Aug. 27; minimum gage height, 1.08 ft (0.329 m) Sept. 9-14.

Period of record: Maximum discharge, 109 ft^3/s (3.09 m^3/s) Feb. 2, 1973, gage height, 2.00 ft (0.610 m); minimum, 0.02 ft^3/s (0.001 m^3/s) July 16-18, 20, 22, 28, 1971, gage height, 1.08 ft (0.329 m).

PEAK DISCHARGE.--Base, 20 ft^3/s, revised):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	1530	1.68	27	03-08	1100	1.69	29
11-14	1730	1.65	22	03-17	1600	1.75	38
11-26	1300	1.74	35	04-04	2200	1.70	29
12-06	1800	1.90	71	06-30	0900	1.67	24
01-01	0600	1.76	38	07-05	0930	1.71	30
02-02	1930	2.00	109	08-02	1200	1.66	20

REMARKS.--Records good. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.26	.33	3.0	26	1.2	.79	3.7	2.2	2.5	3.4	.34	1.3
2	.13	1.1	2.4	7.4	18	.97	13	2.0	2.3	1.4	7.7	.19
3	.11	3.6	2.3	4.1	6.7	1.3	7.1	2.2	1.7	.90	4.2	.14
4	.09	1.8	2.2	3.6	4.5	4.3	9.5	2.7	1.7	2.9	1.8	.10
5	.10	1.9	2.5	2.5	3.5	6.8	11	2.1	1.5	12	.98	.09
6	.11	1.6	20	2.1	3.0	5.0	5.8	1.6	1.3	4.5	.63	.09
7	9.2	1.2	12	1.5	2.5	4.3	4.2	1.4	1.2	2.1	.43	.09
8	4.5	4.3	4.5	1.2	2.3	14	3.7	1.3	1.0	1.3	.33	.07
9	1.4	7.4	10	.97	2.0	7.4	2.8	2.0	.84	.94	.28	.07
10	.70	3.1	6.0	.89	1.9	4.8	7.3	2.1	.67	.75	.24	.06
11	.58	2.2	3.5	.85	1.8	4.0	5.5	9.2	.53	.62	.22	.06
12	.63	2.3	3.0	.78	1.7	4.5	3.8	4.2	.53	.46	.32	.06
13	.80	1.7	3.5	.79	1.6	4.0	3.1	3.0	1.0	.39	.21	.06
14	.55	9.0	3.0	.72	1.5	3.8	2.7	2.3	1.2	.35	.17	.11
15	1.0	5.9	2.0	.75	1.6	4.2	2.4	2.2	.59	.61	.18	.52
16	.77	3.1	2.0	.78	1.5	3.9	2.2	5.0	.43	.64	.21	.15
17	.69	2.5	2.0	.83	1.3	15	2.0	2.9	.44	.39	.18	.09
18	.51	2.1	1.5	.92	1.2	9.4	1.9	11	.39	.32	.15	.38
19	.52	1.8	1.6	1.3	1.1	5.0	1.8	5.2	.39	.24	.19	.28
20	.47	6.4	1.1	3.6	1.1	4.1	1.6	4.1	.32	.22	.14	.14
21	.40	4.1	1.6	1.5	1.1	3.2	1.4	8.1	.30	1.2	.12	.11
22	.37	2.4	4.2	2.1	1.1	2.6	1.3	5.0	.38	.69	.09	.11
23	.33	1.7	4.3	7.1	1.1	2.3	1.3	3.4	.39	.27	.08	1.4
24	.30	1.6	3.0	3.1	.99	2.1	1.0	2.8	.29	.20	.08	.41
25	.28	1.6	2.5	2.1	.91	2.0	1.3	2.4	.24	.17	.07	.25
26	.25	15	2.3	2.1	.88	5.9	1.7	2.4	.20	.18	.07	.17
27	.25	6.0	2.2	1.9	.84	4.2	2.6	2.5	.22	4.4	.07	.15
28	.26	3.4	1.9	1.8	.79	2.8	6.1	3.3	1.0	3.4	.11	.15
29	.57	3.0	1.5	1.5	------	2.4	4.2	8.7	1.2	.94	.12	.13
30	.64	2.5	1.5	1.8	------	2.3	2.8	4.2	11	.62	.08	.13
31	.38	------	6.6	1.3	------	2.4	------	3.3	------	.44	.52	------
TOTAL	27.15	104.63	119.7	87.88	67.71	139.76	119.6	114.8	36.55	46.94	20.31	7.06
MEAN	.88	3.49	3.86	2.83	2.42	4.51	3.99	3.70	1.22	1.51	.66	.24
MAX	9.2	15	20	26	18	15	13	11	11	12	7.7	1.4
MIN	.09	.33	1.1	.72	.79	.79	1.3	1.3	.20	.17	.07	.06
CFSM	.81	3.23	3.57	2.62	2.24	4.18	3.69	3.43	1.13	1.40	.61	.22
IN.	.94	3.60	4.12	3.03	2.33	4.81	4.12	3.95	1.26	1.62	.70	.24

CAL YR 1972 TOTAL 1,091.61 MEAN 2.98 MAX 24 MIN .07 CFSM 2.76 IN 37.60
WTR YR 1973 TOTAL 892.09 MEAN 2.44 MAX 26 MIN .06 CFSM 2.26 IN 30.73

0198870 Ledgy Brook near Huntsville, Conn.

LOCATION.--Lat 41°58'02", long 73°18'26", Litchfield County, on left upstream wingwall, at bridge on Under Mountain Road, 0.6 mile (1.0 km) upstream from mouth, and 1.6 miles (2.6 km) northeast of Huntsville.

DRAINAGE AREA.--0.66 mi^2 (1.71 km^2).

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder, and timber dam and V-notch weir. Datum of gage is 765.38 ft (233.288 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, about 70 ft^3/s (1.98 m^3/s) Feb. 2; minimum, 0.01 ft^3/s (<0.001 m^3/s) Oct. 4, gage height, 1.01 ft (0.308 m).

Period of record: Maximum discharge, about 70 ft^3/s (1.98 m^3/s) Feb. 2; minimum, 0.01 ft^3/s (<0.001 m^3/s) Oct. 4, gage height, 1.01 (0.308 m).

PEAK DISCHARGE.--(Base, 15 ft^3/s, revised):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-14	1900	2.39	16	03-17	----	Unkn	Unkn
11-26	1330	2.47	18	04-02	----	Unkn	Unkn
12-06	1800	2.83	50	04-04	----	Unkn	Unkn
01-01	0730	2.54	24	06-30	0800	2.35	15
02-02	----	Unkn	about 70	07-05	0900	2.44	19
03-08	----	Unkn	Unkn	08-02	1200	2.33	15

REMARKS.--Records good except those for period of no gage-height record, which are fair. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.03	.16	1.5	16	.55	.25	1.7	1.2	1.2	3.1	.20	.52
2	.02	.44	1.1	4.4	15	.40	9.0	1.0	1.0	1.2	7.0	.16
3	.02	1.6	1.0	2.3	3.5	.80	6.0	1.2	.82	.75	4.3	.10
4	.02	.80	1.0	1.9	2.6	2.0	7.0	1.3	.77	2.7	1.8	.07
5	.02	.71	1.1	1.7	1.5	4.5	6.0	1.1	.67	11	.85	.06
6	.02	.76	13	1.3	1.2	3.0	3.3	.92	.56	4.1	.53	.06
7	4.2	.55	7.1	1.0	1.0	2.5	2.0	.81	.50	1.4	.39	.05
8	2.3	2.5	2.0	.84	.87	9.0	1.9	.75	.41	.95	.31	.04
9	.54	4.3	2.2	.71	.65	7.0	1.8	1.0	.36	.64	.26	.03
10	.29	1.6	2.0	.69	.60	3.5	5.8	1.1	.29	.49	.22	.03
11	.21	1.1	1.5	.64	.60	2.3	4.6	6.3	.23	.40	.22	.03
12	.20	1.1	1.3	.59	.58	2.0	2.0	2.5	.23	.32	.27	.02
13	.20	.85	1.7	.56	.58	7.8	1.6	1.8	.41	.26	.20	.02
14	.17	5.7	1.6	.56	.55	1.4	1.5	1.4	.34	.24	.16	.05
15	.23	4.4	1.4	.56	.50	2.3	1.4	1.4	.22	.28	.17	.18
16	.21	1.8	1.2	.50	.45	2.3	1.2	3.0	.19	.26	.18	.09
17	.19	1.3	.92	.43	.40	10	1.1	1.9	.17	.26	.16	.06
18	.16	1.0	.94	.44	.40	7.0	.94	7.0	.14	.18	.14	.08
19	.15	.87	.91	.52	.35	2.4	.88	3.1	.18	.15	.15	.10
20	.14	5.0	.86	1.3	.35	2.1	.79	2.5	.18	.14	.13	.06
21	.13	2.7	.79	.76	.35	1.8	.71	4.7	.18	.38	.10	.04
22	.13	1.6	2.2	.67	.35	1.7	.68	2.9	.18	.26	.09	.03
23	.14	1.1	2.3	2.1	.35	1.6	.67	2.0	.18	.16	.08	.43
24	.14	.91	1.7	1.4	.30	1.6	.74	1.6	.16	.13	.07	.19
25	.13	.80	1.4	.96	.30	1.5	.62	1.3	.14	.11	.06	.13
26	.13	8.5	1.2	.81	.28	2.6	.77	1.2	.13	.12	.05	.09
27	.13	4.1	1.1	.76	.27	2.1	1.1	1.1	.14	1.5	.05	.07
28	.13	2.0	1.0	.72	.25	1.7	2.4	1.6	.33	1.4	.09	.06
29	.18	1.7	.82	.64	------	1.6	2.2	3.5	.47	.50	.08	.05
30	.20	1.4	.83	.66	------	1.5	1.5	2.0	9.2	.34	.05	.03
31	.17	------	4.3	.60	------	1.5	------	1.6	------	.25	.26	------
TOTAL	10.98	61.35	61.97	47.02	34.68	91.75	72.40	64.78	19.98	34.37	18.62	2.93
MEAN	.35	2.05	2.00	1.52	1.24	2.96	2.41	2.09	.67	1.11	.60	.098
MAX	4.2	8.5	13	16	15	10	9.0	7.0	9.2	11	7.0	.52
MIN	.02	.16	.79	.43	.25	.25	.62	.75	.13	.11	.05	.02
CFSM	.53	3.11	3.03	2.30	1.88	4.48	3.65	3.17	1.02	1.68	.91	.15
IN.	.62	3.46	3.49	2.65	1.95	5.17	4.08	3.65	1.13	1.94	1.05	.17

CAL YR 1972 TOTAL 590.42 MEAN 1.61 MAX 13 MIN .02 CFSM 2.44 IN 33.28
WTR YR 1973 TOTAL 520.83 MEAN 1.43 MAX 16 MIN .02 CFSM 2.17 IN 29.36

NOTE.--No gage-height record, Feb. 11 to Apr. 5.

01198880 Wangum Lake Brook near South Canaan, Conn.

LOCATION.--Lat 41°57'42", long 73°18'52", Litchfield County, right bank just downstream from Barnes Road, 1.1 miles (1.8 km) east of South Canaan.

DRAINAGE AREA.--10.1 mi^2 (26.2 km^2).

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 646.35 ft (197.007 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 139 ft^3/s (3.94 m^3/s) Feb. 3, gage height, 6.59 ft (2.009 m); minimum, 1.1 ft^3/s (0.031m^3/s) Aug. 26, 27, gage height, 2.11 ft (0.643 m).

Period of record: Maximum discharge, 139 ft^3/s (3.94 m^3/s) Feb. 3, 1973, gage height, 6.59 ft (2.009 m); minimum, 0.10 ft^3/s (0.003 m^3/s) July 28, 1971.

PEAK DISCHARGE.--(BASE, 80 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	2000	5.86	102	03-08	1830	5.94	106
11-14	2400	5.87	100	03-17	2230	6.05	112
11-26	2130	6.13	112	04-02	1130	5.64	94
12-07	0100	6.39	126	04-05	0330	5.97	108
12-09	0900	5.86	100	05-18	1500	5.61	92
01-01	1300	6.22	120	06-30	1300	5.61	92
02-03	0030	6.59	139	07-05	1530	5.58	91

REMARKS.--Records fair. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	3.0	37	115	15	6.0	25	19	22	47	5.3	5.5
2	2.8	4.7	29	94	57	6.0	86	16	19	18	37	4.0
3	2.3	14	25	62	127	6.0	67	18	15	12	30	2.5
4	2.0	8.3	24	53	88	31	58	22	15	20	15	1.8
5	1.9	8.2	29	40	57	37	96	17	14	66	11	1.7
6	1.9	7.2	62	35	45	34	61	15	12	50	7.5	1.6
7	53	5.9	108	25	39	30	46	14	12	24	5.3	1.6
8	54	16	66	20	35	74	39	12	10	15	3.8	2.0
9	16	62	95	18	30	71	34	16	8.4	12	3.4	1.7
10	8.8	32	77	15	27	47	56	17	7.2	9.4	3.1	1.5
11	6.7	18	55	13	25	38	56	63	6.0	7.8	2.9	1.4
12	6.3	16	40	12	18	39	41	43	5.8	6.6	2.6	1.3
13	6.7	11	44	11	15	38	34	30	10	5.8	2.6	1.3
14	6.0	43	43	11	15	32	27	21	11	5.0	2.6	2.5
15	7.5	78	35	10	14	34	24	18	6.6	7.2	2.6	6.0
16	6.2	37	35	10	13	30	20	39	5.3	7.5	2.6	2.0
17	5.4	25	33	10	12	63	18	23	5.0	5.3	2.6	2.5
18	4.9	19	23	11	11	84	17	67	4.8	4.3	2.3	5.3
19	4.6	15	28	13	10	48	16	57	4.5	3.5	2.3	6.0
20	4.5	51	27	33	9.0	35	15	39	4.0	3.2	2.3	3.5
21	4.1	43	23	25	8.5	28	13	65	3.8	8.4	2.2	2.0
22	4.0	26	44	19	8.0	24	12	53	4.5	7.2	2.1	3.0
23	3.9	15	46	60	7.0	20	12	38	4.5	4.5	2.0	7.0
24	3.9	12	37	34	6.5	18	15	30	3.8	3.4	1.9	5.5
25	3.6	11	32	23	6.5	16	12	24	3.2	2.9	1.8	3.5
26	3.3	64	29	19	6.0	41	15	20	3.1	2.9	1.8	3.0
27	3.1	85	28	17	6.0	36	20	19	3.4	22	1.3	2.5
28	3.1	47	23	16	6.0	26	46	23	7.5	34	1.5	2.2
29	3.8	37	16	15	------	21	37	63	11	13	3.0	1.9
30	4.3	29	16	20	------	19	26	38	72	8.1	2.7	2.0
31	3.6	------	45	16	------	19	------	31	------	6.0	2.5	------
TOTAL	246.3	843.3	1,254	875	716.5	1,051.0	1,044	970	314.4	442.0	169.6	88.3
MEAN	7.95	28.1	40.5	28.2	25.6	33.9	34.8	31.3	10.5	14.3	5.47	2.94
MAX	54	85	108	115	127	84	96	67	72	66	37	7.0
MIN	1.9	3.0	16	10	6.0	6.0	12	12	3.1	2.9	1.3	1.3
CFSM	.79	2.78	4.01	2.79	2.53	3.3	3.45	3.10	1.04	1.42	.54	.29
IN.	.91	3.11	4.62	3.22	2.64	3.87	3.85	3.57	1.16	1.63	.62	.33

CAL YR 1972 TOTAL 9,758.3 MEAN 26.7 MAX 127 MIN 1.[illegible] CFSM 2.64 IN 35.94
WTR YR 1973 TOTAL 8,014.4 MEAN 22.0 MAX 127 MIN 1.[illegible] CFSM 2.18 IN 29.52

01199000 Housatonic River at Falls Village, Conn.

LOCATION.--Lat 41°57'26", long 73°22'11", Litchfield County, on left bank of hydroelectric plant of Hartford Electric Light Company at Falls Village, 1.4 mi (2.3 km) downstream from Hollenbeck River, and at mile 75.9 (122.1 km).

DRAINAGE AREA.--634 mi^2 (1,642 km^2).

PERIOD OF RECORD.--July 1912 to current year.

GAGE.--Water-stage recorder. Datum of gage is 529.06 ft (161.257 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 26, 1964, at site 0.6 mi (1.0 km) downstream at datum 6.72 ft (2.048 m) lower.

AVERAGE DISCHARGE.--61 years, 1,060 ft^3/s (30.02 m^3/s), 22.68 in/yr (576 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,660 ft^3/s (189 m^3/s) Feb. 4, gage height, 7.96 ft (2.426 m); minimum 11 ft^3/s (0.31 m^3/s) Oct. 3; minimum daily, 224 ft^3/s (6.34 m^3/s) Oct. 1.

Period of record: Maximum discharge, 23,900 ft^3/s (677 m^3/s) Jan. 1, 1949, gage height, 19.4 (5.91 m), present datum, from floodmark; practically no flow at times when power plant was shut down; minimum daily, 24 ft^3/s (0.68 m^3/s) Oct. 15, 1914, Sept. 18, 1932.

REMARKS.--Records excellent. Low flow completely regulated by power plant of Hartford Electric Light Company. Records of water quality at reservoir 0.4 mi (0.6 km) upstream for the current year are published in Part 2 of this report.

PEAK DISCHARGE.--(BASE, 3,600 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
12-07	1930	6.33	4,510	03-18	1900	6.26	4,450
01-02	1400	6.69	4,960	04-05	1900	6.14	4,290
01-24	0530	5.63	3,560	07-01	1430	6.53	4,800
02-04	1630	7.96	6,660				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	536	2,090	3,860	1,200	808	1,590	1,320	1,920	4,470	471	780
2	353	496	1,960	4,880	1,300	784	2,990	1,140	1,790	4,200	1,150	615
3	227	912	1,760	4,490	5,410	986	3,780	1,130	1,660	3,200	2,450	573
4	302	1,270	1,650	3,770	6,450	1,380	3,510	1,230	1,310	2,450	2,310	549
5	272	1,120	1,620	3,190	5,800	2,020	4,100	1,280	1,210	3,090	1,860	354
6	275	969	1,990	2,590	4,380	2,080	4,030	1,120	1,240	3,130	1,220	438
7	652	824	4,020	1,500	3,300	1,820	3,450	1,080	1,090	2,250	860	456
8	1,570	864	4,320	1,300	2,700	2,130	2,820	959	981	1,800	674	412
9	1,480	1,430	4,390	1,200	2,300	2,920	2,450	954	815	1,390	613	399
10	1,030	1,740	4,300	1,150	2,000	2,740	2,420	1,060	954	1,210	587	364
11	700	1,510	3,820	1,100	1,800	2,390	2,890	1,890	722	940	502	475
12	529	1,240	3,250	1,100	1,700	2,190	2,710	2,890	679	792	706	252
13	422	1,160	2,790	1,100	1,600	2,320	2,360	2,660	709	761	833	307
14	498	1,400	2,560	1,070	1,500	2,330	2,040	2,200	1,100	727	778	451
15	639	2,140	2,310	1,100	1,360	2,300	1,880	1,840	1,010	626	623	322
16	424	2,120	2,120	1,110	1,340	2,290	1,700	2,010	828	569	833	362
17	496	1,720	1,680	1,110	1,090	2,700	1,590	2,170	648	671	1,190	463
18	445	1,330	1,500	1,110	911	4,170	1,430	2,410	654	600	1,020	299
19	404	1,220	1,680	1,120	1,040	4,240	1,400	3,020	619	590	903	407
20	484	1,550	1,730	1,720	1,080	3,720	1,320	2,770	613	562	736	402
21	468	2,240	1,600	2,040	1,160	3,020	1,210	3,090	566	553	584	371
22	390	2,030	1,780	1,830	1,030	2,470	1,150	3,350	578	866	560	360
23	361	1,690	2,400	2,830	1,060	2,110	1,060	3,080	535	619	505	475
24	381	1,330	2,270	3,480	992	1,870	1,110	2,630	559	528	419	566
25	390	1,200	2,010	3,060	904	1,730	1,080	2,120	602	488	437	452
26	350	1,460	1,810	2,500	853	1,990	1,020	1,860	538	464	369	450
27	347	2,850	1,690	2,050	819	2,430	1,240	1,780	553	596	465	373
28	405	2,820	1,620	1,850	767	2,210	1,540	1,620	556	983	408	364
29	433	2,560	1,440	1,680	------	1,880	1,770	1,910	719	687	597	341
30	484	2,180	1,350	1,300	------	1,660	1,580	2,010	1,930	614	590	441
31	566	------	1,620	1,200	------	1,570	------	1,910	------	530	534	------
TOTAL	16,001	45,911	71,130	63,390	55,846	69,258	63,220	60,493	27,688	40,956	25,787	12,873
MEAN	516	1,530	2,295	2,045	1,995	2,234	2,107	1,951	923	1,321	832	429
MAX	1,570	2,850	4,390	4,880	6,450	4,240	4,100	3,350	1,930	4,470	2,450	780
MIN	224	496	1,350	1,070	767	784	1,020	954	535	464	369	252
CFSM	.81	2.41	3.62	3.23	3.15	3.52	3.32	3.08	1.46	2.08	1.31	.68
IN.	.94	2.69	4.17	3.72	3.28	4.06	3.71	3.55	1.62	2.40	1.51	.76

CAL YR 1972 TOTAL 598,761 MEAN 1,636 MAX 6,070 MIN 131 CFSM 2.58 IN 35.13.
WTR YR 1973 TOTAL 552,553 MEAN 1,514 MAX 6,450 MIN 224 CFSM 2.39 IN 32.42

01199050 Salmon Creek at Lime Rock, Conn.

LOCATION.--Lat 41°56'32", long 73°23'29", Litchfield County, on left bank 300 ft (90 m) upstream from bridge on Uptown Salisbury Road, 0.6 mi (1.0 km) north of Lime Rock, and 3.0 mi (4.8 km) upstream from mouth.

DRAINAGE AREA.--29.4 mi^2 (76.1 km^2).

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 620.37 ft (189.089 m) above mean sea level.

AVERAGE DISCHARGE.--12 years, 43.6 ft^3/s (1.235 m^3/s), 20.14 in/yr (512 mm/yr).

EXTREMES.--Current year: Maximum discharge, 866 ft^3/s (24.5 m^3/s), gage height, 4.29 ft (1.308 m); minimum, 10 ft^3/s (0.28 m^3/s) Sept. 14, gage height, 1.00 ft (0.305 m).

Period of record: Maximum discharge, 962 ft^3/s (27.2 m^3/s) Aug. 5, 1969, gage height, 4.53 ft (1.381 m); minimum, 0.7 ft^3/s (0.020 m^3/s) Sept. 25, 1964, gage height, 0.77 ft (0.235 m).

Flood of Aug. 19, 1955, reached a stage of about 13.5 ft (4.11 m), from floodmarks, discharge, 6,300 ft^3/s (178 m^3/s), from rating curve extended above 350 ft^3/s (9.91 m^3/s) on basis of contracted-opening measurement of peak flow.

PEAK DISCHARGE.--(BASE, 250 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
12-07	0430	2.97	391	04-02	1000	2.96	388
01-02	Unkn		Unkn	04-05	0630	2.93	379
02-03	0200	4.29	866	05-21	1100	2.66	298
03-18	0130	2.95	385	06-30	1930	3.38	514

REMARKS.--Records excellent except those for January, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	23	89	200	150	39	82	44	94	307	23	54
2	18	26	76	220	218	46	315	42	88	142	76	23
3	17	36	66	140	623	50	230	45	75	93	67	17
4	16	25	65	160	309	93	185	52	74	97	46	17
5	24	29	74	140	195	87	324	45	69	138	37	18
6	24	26	121	110	139	76	214	41	59	92	32	19
7	41	23	285	70	114	68	158	38	55	65	27	19
8	47	28	132	60	106	111	137	36	50	53	23	17
9	34	51	247	55	95	106	122	43	43	46	23	15
10	24	40	143	50	90	84	157	44	38	40	21	14
11	35	37	141	48	80	76	143	120	34	36	21	13
12	30	41	111	47	74	85	114	77	33	32	25	12
13	29	39	113	47	70	88	106	64	58	29	25	11
14	27	76	104	47	66	79	94	55	45	27	20	12
15	20	130	89	47	61	69	89	51	32	32	21	32
16	19	75	80	47	54	83	83	43	29	32	23	19
17	24	60	70	48	50	149	74	61	28	27	20	15
18	23	54	65	50	47	273	66	151	27	24	18	17
19	17	69	61	60	75	146	61	127	27	21	19	18
20	24	115	66	80	46	116	61	102	24	20	16	14
21	24	98	63	90	46	106	59	229	23	39	15	13
22	23	70	117	90	47	93	55	210	26	34	14	11
23	21	58	107	130	44	85	51	139	25	24	14	30
24	20	53	87	106	41	77	53	110	23	20	13	20
25	19	51	85	91	39	72	43	97	28	18	13	16
26	18	111	84	80	37	120	48	87	22	18	12	14
27	18	113	77	74	36	103	60	115	20	65	13	13
28	17	87	70	72	38	92	71	115	24	70	25	12
29	23	82	68	71	------	75	60	188	54	37	24	11
30	21	69	60	70	------	71	51	130	323	31	16	11
31	21	------	60	70	------	72	------	114	------	26	15	------
TOTAL	835	1,771	3,152	2,720	2,990	2,892	3,366	2,855	1,550	1,735	757	527
MEAN	26.9	59.0	102	87.7	107	93.3	112	92.1	51.7	56.0	24.4	17.6
MAX	41	130	285	220	623	273	324	229	323	307	76	54
MIN	16	23	60	47	36	39	43	36	20	18	12	11
CFSM	.92	2.01	3.47	2.98	3.64	3.17	3.81	3.13	1.76	1.90	.83	.60
IN.	1.06	2.24	3.99	3.44	3.74	3.66	4.26	3.61	1.96	2.20	.96	.67

CAL YR 1972 TOTAL 24,050.0 MEAN 71.2 MAX 368 MIN 8.3 CFSM 2.42 IN 32.95
WTR YR 1973 TOTAL 24,150.0 MEAN 66.4 MAX 623 MIN 11 CFSM 2.26 IN 31.47

01199200 Guinea Brook at Ellsworth, Conn.

LOCATION.--Lat 41°49'27", long 73°25'50", Litchfield County, on left bank just upstream from culvert on West Woods Road, 0.4 mi (0.6 km) southwest of Ellsworth, 3 mi (5 km) west of Cornwall Bridge, and 4.5 mi (7.2 km) southeast of Sharon.

DRAINAGE AREA.--3.50 mi^2 (9.06 km^2).

PERIOD OF RECORD.--July 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,141.60 ft (347.960 m) above mean sea level.

AVERAGE DISCHARGE.--13 years, 6.20 ft^3/s (0.176 m^3/s), 24.06 in/yr (611 mm/yr).

EXTREMES.--Current year: Maximum discharge, 126 ft^3/s (3.57 m^3/s) Feb. 2, gage height, 3.68 ft (1.122 m); minimum, 0.10 ft^3/s (0.003 m^3/s) Sept. 11, gage height, 0.62 ft (0.189 m).

Period of record: Maximum discharge, 142 ft^3/s (4.02 m^3/s) Feb. 26, 1961, gage height, 3.89 ft (1.186 m); no flow many days in 1962, 1964-68, 1970.

PEAK DISCHARGE.--(BASE, 50 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	1730	2.85	74	01-02	Unkn	----	Unkn
11-14	2130	2.42	52	02-02	2300	3.68	126
12-06	2130	2.74	68	03-17	2030	2.44	53
12-09	0600	2.44	53	04-02	0530	2.40	51
				04-04	2330	2.49	56

REMARKS.--Records good except those for January and February, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.42	4.3	19	20	8.6	2.9	15	4.4	8.8	19	1.4	.90
2	.25	5.2	15	40	42	6.4	44	4.4	9.3	9.0	13	.46
3	.22	12	13	25	109	6.8	28	5.6	6.5	5.8	12	.35
4	.17	7.3	14	20	60	22	29	8.1	6.7	11	5.6	2.8
5	.17	6.5	16	15	30	14	42	5.6	6.6	27	3.1	.73
6	.20	6.2	35	12	20	11	25	4.4	4.9	18	1.9	1.6
7	29	5.0	45	10	17	9.8	20	4.0	7.1	11	1.7	.36
8	28	14	26	8.0	15	25	19	3.6	5.1	8.4	1.1	.22
9	8.1	29	46	7.0	13	17	16	7.4	3.7	6.5	.74	.16
10	7.0	15	30	6.0	12	13	27	8.6	3.0	5.6	.51	.12
11	2.5	13	23	5.8	11	12	20	26	2.2	4.7	.40	.12
12	1.9	12	18	5.6	10	14	14	15	2.0	4.0	.54	3.6
13	5.7	10	20	5.5	9.0	12	12	12	4.1	3.3	.83	.66
14	3.0	28	17	5.5	8.5	12	10	9.1	4.2	3.3	.51	.45
15	3.9	35	13	5.6	8.0	14	9.3	8.9	2.3	5.6	.42	1.8
16	3.2	20	13	5.6	7.5	12	8.2	20	1.7	5.9	.47	.68
17	2.6	17	12	5.8	7.0	29	7.6	11	1.1	3.3	.39	.43
18	2.3	15	10	6.2	6.5	32	6.6	27	.97	1.7	.32	1.1
19	2.4	13	10	7.0	6.0	20	6.2	18	1.1	1.2	.30	1.5
20	2.2	31	10	8.0	5.5	16	6.0	15	.87	3.5	.30	.90
21	3.1	21	9.5	10	5.2	14	5.0	29	1.2	5.5	.25	.65
22	2.6	15	10	13	5.0	13	5.0	22	4.4	5.1	.23	.46
23	2.1	13	16	17	4.8	11	5.0	16	4.3	3.0	.22	1.5
24	1.9	11	12	13	4.2	10	7.9	14	2.1	1.8	.20	3.0
25	2.1	11	11	11	3.6	9.2	5.2	12	1.6	1.3	.16	1.5
26	1.8	33	10	7.3	3.4	22	5.6	10	1.3	1.6	.14	.81
27	1.6	25	10	8.5	3.0	16	7.4	10	1.1	3.2	.22	.62
28	2.0	17	9.0	10	2.9	11	9.4	12	2.9	4.4	.75	.51
29	4.2	16	8.0	6.9	------	9.8	6.9	17	9.6	2.4	1.0	.39
30	4.9	13	7.0	10	------	9.5	5.2	10	46	1.6	.45	.33
31	3.3	------	10	8.8	------	11	------	12	------	.99	.30	------
TOTAL	132.83	473.5	525.5	339.1	437.7	437.4	427.5	382.1	156.74	188.69	49.54	28.71
MEAN	4.28	15.8	17.0	10.9	15.6	14.1	14.3	12.3	5.22	6.09	1.60	.96
MAX	29	35	46	40	109	32	44	29	46	27	13	3.6
MIN	.17	4.3	7.0	5.5	2.9	2.9	5.0	3.6	.87	.99	.14	.12
CFSM	1.22	4.51	4.86	3.11	4.46	4.03	4.09	3.51	1.49	1.74	.46	.27
IN.	1.41	5.03	5.59	3.60	4.65	4.65	4.54	4.06	1.67	2.01	.53	.31

CAL YR 1972 TOTAL 4,299.96 MEAN 11.7 MAX 54 MIN .08 CFSM 3.34 IN 45.70
WTR YR 1973 TOTAL 3,579.31 MEAN 9.81 MAX 109 MIN .12 CFSM 2.80 IN 38.04

01200000 Tenmile River near Gaylordsville, Conn.

LOCATION.--Lat 41° 39'33", long 73°31'44", Dutchess County, New York, on right bank 0.1 mi (0.2 km) downstream from Deuel Hollow Brook, 1.2 mi (1.9 km) upstream from New York-Connecticut State line, 1.7 mi (2.7 km) upstream from mouth, and 2.5 mi (4.0 km) northwest of Gaylordsville.

DRAINAGE AREA.--203 mi^2 (526 km^2).

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for period October to December 1929, published in WSP 1301.

GAGE.--Water-stage recorder. Datum of gage is 304.4 ft (92.78 m) above mean sea level (levels by Connecticut Light and Power Company).

AVERAGE DISCHARGE.--44 years, 294 ft^3/s (8.326 m^3/s), 19.67 in/yr (500 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,610 ft^3/s (159 m^3/s) Feb. 3, gage height, 8.37 ft (2.551 m); minimum, 43 ft^3/s (1.22 m^3/s) Sept. 13, 14, gage height, 0.90 ft (0.274 m).

Period of record: Maximum discharge, 17,400 ft^3/s (493 m^3/s) Aug. 19, 1955, gage height, 14.9 ft (4.54 m), from high-water mark, from rating curve extended above 9,800 ft^3/s (278 m^3/s); minimum, 5 ft^3/s (0.142 m^3/s) Sept. 8, 1957; minimum gage height, 0.52 ft (0.158 m) Sept. 24, 26, 1939; minimum daily discharge, 7 ft^3/s (0.198 m^3/s) Oct. 7, 1957.

PEAK DISCHARGE.--(BASE, 1,400 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
12-09	2000	5.04	1,850	04-05	1200	5.25	2,040
01-01	2000	5.05	1,860	07-01	0100	6.44	3,220
02-03	1800	8.37	5,610	07-05	0400	6.05	2,800
03-18	0800	4.59	1,500				

REMARKS.--Records excellent. Infrequent regulation at low flow. See REVISIONS summary paragraph in WSP 1901. Records of water quality for the current year are published in Part 2 of Water Resources Data for New York, and in this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	110	699	1,690	350	237	524	322	492	2,570	163	65
2	72	115	687	1,580	680	272	1,350	302	458	1,230	252	66
3	63	209	613	1,150	4,590	346	1,280	307	410	809	405	61
4	57	191	603	1,020	3,190	560	1,250	377	368	1,310	268	57
5	55	177	656	1,040	1,860	581	1,930	342	384	2,360	225	54
6	53	178	865	840	1,260	487	1,450	316	338	1,550	188	63
7	337	164	1,570	578	1,010	435	1,120	286	313	1,090	156	67
8	767	289	1,210	509	896	593	1,000	260	284	823	135	60
9	348	655	1,720	450	807	655	847	294	254	640	122	56
10	249	493	1,620	410	600	549	1,040	337	232	526	114	52
11	191	421	1,280	380	450	499	1,070	701	205	461	107	49
12	157	388	1,010	360	400	501	844	670	184	409	107	46
13	140	334	918	340	400	497	733	582	286	364	115	44
14	124	628	882	320	423	471	651	493	229	324	105	46
15	123	1,170	764	319	484	542	594	436	186	343	96	70
16	121	848	716	317	500	583	547	586	165	351	100	82
17	110	686	626	326	320	797	507	508	154	292	95	66
18	101	587	575	333	300	1,370	484	628	144	257	89	70
19	96	519	539	335	300	972	463	695	142	228	84	78
20	95	860	524	549	326	794	452	584	134	211	79	68
21	92	853	540	398	354	671	408	874	126	230	73	62
22	89	664	755	397	358	606	384	835	226	289	69	56
23	90	559	902	1,010	366	548	367	695	202	268	66	79
24	90	500	773	699	311	502	404	633	158	222	63	96
25	85	464	698	527	284	478	368	565	150	192	61	77
26	81	778	664	453	274	670	354	514	137	192	59	66
27	79	910	657	423	246	704	412	490	125	216	58	60
28	81	694	615	474	230	557	434	487	126	298	61	57
29	113	638	542	432	------	502	403	685	300	267	63	57
30	141	562	498	350	------	474	357	598	2,040	227	61	57
31	123	------	741	300	------	494	------	581	------	186	59	------
TOTAL	4,403	15,644	25,462	18,301	21,489	17,867	22,074	15,963	8,872	18,735	3,698	1,887
MEAN	142	521	821	590	767	576	736	515	296	604	119	62.9
MAX	767	1,170	1,720	1,690	4,590	1,370	1,930	874	2,040	2,570	405	96
MIN	53	110	498	300	230	237	354	260	125	186	58	44
CFSM	.70	2.57	4.04	2.91	3.78	2.84	3.63	2.54	1.46	2.98	.59	.31
IN.	.81	2.87	4.67	3.35	3.94	3.27	4.05	2.93	1.63	3.43	.68	.35

CAL YR 1972 TOTAL 186.420 MEAN 509 MAX 2,880 MIN 58 CFSM 2.51 IN 34.16
WTR YR 1973 TOTAL 174.395 MEAN 478 MAX 4,590 MIN 44 CFSM 2.35 IN 31.96

01200500 Housatonic River at Gaylordsville, Conn.

LOCATION.--Lat 41°39'11", long 73°29'28", Litchfield County, on left bank 0.4 mile (0.6 km) downstream from hydroelectric plant of Connecticut Light and Power Co., 0.5 mile (0.8 km) upstream from bridge on U.S. Highway 7 at Gaylordsville, 1.5 miles (2.4 km) downstream from Tenmile River, and at mile 50.6 (81.4 km).

DRAINAGE AREA.--993 mi^2 (2,572 km^2).

PERIOD OF RECORD.--October 1900 to December 1904 (fragmentary), January 1905 to December 1908 (gage heights only), January 1909 to December 1912 (fragmentary), January 1913 to October 1914 (gage heights only), November 1914 fragmentary), July 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 236.78 ft (72.171 m) above mean sea level. October 1900 to November 1914, nonrecording gage on covered bridge 0.6 mile (1.0 km) downstream at different datum.

AVERAGE DISCHARGE.--33 years, (1940-73), 1,620 ft^3/s (45.88 m^3/s) 22.15 in/yr (563 mm/yr)

EXTREMES.--Current year: Maximum discharge, 15,400 ft^3/s (436 m^3/s) Feb. 3, gage height, 10.64 ft (3.243 m); minimum, 111 ft^3/s (3.14 m^3/s) Oct. 6, 7, and Sept. 13, 14.

Period of record: Maximum discharge, 51,800 ft^3/s (1,470 m^3/s) Aug. 19, 1955, gage height, 18.58 ft (5.663 m); minimum observed, about 30 ft^3/s (0.85 m^3/s) Oct. 28, 1914, gage height, 2.18 ft (0.664 m) site and datum then in use; minimum daily since July 1940, about 60 ft^3/s (1.70 m^3/s) Aug. 31, 1944, Sept. 20, 1949.

Flood in May 1854 reached a stage of 21 ft 3 in (6.477 m), former site and datum; reported by observer in 1902. Flood of Sept. 22, 1938, reached a stage of 14.5 ft (4.42 m), from floodmarks, at present site, discharge, 37,000 ft^3/s (1,050 m^3/s) by computation of peak flow over dam 2.5 miles (410 km) upstream adjusted for flow from intervening area.

PEAK DISCHARGE.--(BASE, 6,000 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
12-09	1700	7.65	7,690	04-05	1530	7.53	7,440
01-02	0300	7.67	7,740	07-01	1200	7.48	7,340
02-03	0930	10.64	15,400	07-05	1130	7.27	6,910
03-18	1400	7.13	6,630				

REMARKS.--Records good. Ordinary flow regulated by power plant upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	350	757	3,410	6,580	1,990	1,300	2,670	2,040	3,000	7,060	850	774
2	550	714	3,250	7,580	3,120	1,340	5,180	1,810	2,800	6,080	1,200	951
3	500	1,030	2,890	6,700	12,230	1,550	6,090	1,850	2,500	4,600	2,890	761
4	450	1,490	2,760	5,810	11,100	2,380	5,910	1,960	2,040	4,600	2,860	740
5	430	1,470	2,820	5,200	9,230	3,010	7,330	1,990	1,980	4,480	2,350	641
6	432	1,440	3,540	4,280	7,050	3,040	6,650	1,850	1,920	5,520	1,740	556
7	1,140	1,250	6,510	2,670	5,390	2,740	5,640	1,790	1,790	4,050	1,290	632
8	2,640	1,360	6,530	2,310	4,480	3,220	4,840	1,600	1,640	3,070	1,040	529
9	2,040	2,400	7,540	2,580	3,930	4,150	4,210	1,600	1,490	2,460	957	591
10	1,560	2,500	7,100	2,300	3,230	3,910	4,460	2,000	1,370	2,130	864	526
11	1,230	2,240	6,110	2,070	2,740	3,470	4,820	2,500	1,260	1,730	838	509
12	947	1,990	5,170	2,030	2,330	3,230	4,390	4,300	1,030	1,580	731	587
13	796	1,740	4,580	1,960	2,310	3,280	3,890	4,000	1,210	1,380	991	319
14	683	2,460	4,240	1,760	2,270	3,320	3,410	3,500	1,430	1,280	1,050	426
15	734	4,010	3,750	1,770	2,390	3,370	3,100	3,000	1,520	1,280	964	691
16	847	3,630	3,470	1,790	2,340	3,280	2,820	3,200	1,260	1,280	856	424
17	673	2,920	2,870	1,800	1,910	4,170	2,610	3,500	1,170	1,110	1,270	573
18	703	2,330	2,410	1,790	1,570	6,450	2,390	3,800	992	1,140	1,220	638
19	561	2,110	2,640	1,830	1,790	6,180	2,330	4,500	1,040	1,050	1,170	455
20	598	3,040	2,750	2,500	1,830	5,410	2,200	4,300	992	941	1,090	540
21	617	3,610	2,610	2,800	1,890	4,540	2,050	4,700	928	1,110	906	657
22	667	3,260	3,070	2,650	1,830	3,810	1,950	5,000	1,030	1,220	763	670
23	639	2,730	3,850	4,390	1,780	3,280	1,820	4,800	1,040	1,220	700	546
24	451	2,240	3,660	4,753	1,660	2,920	1,920	4,000	904	959	669	751
25	622	2,040	3,300	4,170	1,520	2,700	1,840	3,300	946	801	580	739
26	609	2,870	3,030	3,480	1,470	3,260	1,720	3,000	924	893	566	582
27	548	4,310	2,880	2,900	1,360	3,760	1,990	2,700	870	859	414	547
28	510	4,160	2,720	2,750	1,290	3,390	2,400	2,500	914	1,390	674	575
29	704	3,780	2,470	2,550	------	2,970	2,630	3,000	1,290	1,230	706	528
30	707	3,310	2,270	1,960	------	2,680	2,380	3,000	4,400	1,060	776	374
31	757	------	2,840	2,060	------	2,610	------	3,000	------	998	715	------
TOTAL	24,805	73,191	117,040	99,740	95,970	104,720	109,610	94,090	65,680	70,561	33,630	17,594
MEAN	800	2,440	3,775	3,217	3,428	3,378	3,520	3,035	1,523	2,276	1,085	586
MAX	2,640	4,310	7,540	7,580	12,200	6,450	7,330	5,000	4,400	7,060	2,890	961
MIN	350	714	2,270	1,760	1,290	1,300	1,720	1,600	870	801	414	319
CFSM	0.81	2.46	3.80	3.24	3.45	3.40	3.54	3.06	1.53	2.29	1.09	0.59
IN.	0.93	2.74	4.38	3.74	3.59	3.92	3.96	3.52	1.71	2.64	1.26	0.66

CAL YR 1972 TOTAL 940,504 MEAN 2,570 MAX 9,950 MIN 200 CFSM 2.59 IN 35.24
WTR YR 1973 TOTAL 882,631 MEAN 2,418 MAX 12,200 MIN 319 CFSM 2.44 IN 33.05

HOUSATONIC RIVER BASIN

01201930 Naraheepaug River near Milton, Conn.

LOCATION.--Lat 41°47'22", long 73°15'34", Litchfield County, on left bank downstream from bridge on Maple Street, 1.5 miles (2.4 km) northeast of Milton.

DRAINAGE AREA.--9.24 mi^2 (23.93 km^2).

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,083.95 ft (330.389 m) above mean sea level.

AVERAGE DISCHARGE.--6 years; 20.9 ft^3/s (0.592 m^3/s), 30.72 in/yr (780 mm/yr).

EXTREMES.--Current year: Maximum discharge, 308 ft^3/s (8.72 m^3/s) Feb. 3, gage height, 3.81 ft (1.161 m); minimum, 1.2 ft^3/s (0.034 m^3/s) Aug. 23.

Period of record: Maximum discharge, 438 ft^3/s (12.4 m^3/s) Mar. 19, 1968; maximum gage height, 4.85 ft (1.478 m) Aug. 5, 1969; minimum discharge 0.5 ft^3/s (0.014 m^3/s) May 13, 1970, July 21, 1971.

REMARKS.--Records good. Flow regulated by a real estate lake upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	5.9	60	95	20	8.0	37	29	22	78	2.9	2.1
2	5.4	8.7	45	124	124	8.3	81	26	21	55	13	1.9
3	5.3	14	40	80	294	9.5	83	27	17	40	13	1.9
4	5.8	9.5	35	72	230	24	90	29	17	48	9.1	2.0
5	4.9	9.1	43	57	178	30	132	26	15	92	7.0	2.1
6	5.7	7.0	84	43	84	33	90	23	14	71	5.7	4.8
7	40	5.3	186	33	57	35	58	20	13	51	4.9	6.3
8	27	26	156	26	43	61	54	17	12	39	4.4	5.0
9	11	33	183	21	38	65	41	24	9.9	30	4.0	4.4
10	6.3	22	132	17	30	59	63	24	8.3	23	3.7	3.7
11	4.3	21	87	16	25	49	61	44	7.0	18	3.4	3.3
12	4.7	22	63	12	21	45	49	44	7.0	12	4.3	3.5
13	4.7	20	52	10	17	41	40	43	8.7	8.3	4.0	3.3
14	5.8	55	42	9.5	16	40	32	35	8.3	8.0	2.9	4.1
15	6.5	77	40	8.7	18	40	28	31	5.9	11	2.8	7.6
16	4.9	63	44	8.0	17	36	24	35	4.9	11	2.3	6.1
17	5.7	49	35	7.6	15	72	22	28	4.9	9.1	2.0	5.2
18	5.4	40	27	8.0	12	95	20	51	3.8	7.6	1.8	7.2
19	4.0	33	24	9.1	12	83	20	49	4.0	6.1	1.9	6.5
20	7.0	58	23	18	11	61	19	48	4.3	5.7	1.7	5.4
21	5.6	49	22	16	10	44	16	67	4.6	8.7	1.7	4.9
22	4.7	43	32	25	12	36	16	62	5.7	7.2	1.6	4.1
23	5.0	35	32	71	11	29	17	51	5.9	5.2	1.6	5.2
24	7.6	29	31	66	9.9	24	20	42	5.0	4.4	1.6	7.2
25	8.0	26	29	51	9.1	22	16	34	4.7	3.7	1.5	5.9
26	6.3	72	29	40	9.5	39	22	27	4.3	4.4	1.5	4.9
27	5.1	42	28	32	9.1	37	26	24	4.7	4.6	1.6	4.9
28	7.2	74	26	31	8.3	32	36	25	11	4.0	2.0	5.0
29	12	50	22	40	------	29	37	30	19	3.8	1.7	4.7
30	11	48	21	30	------	27	34	26	156	3.3	1.6	5.0
31	7.3	------	34	24	------	28	------	24	------	3.0	2.0	------
TOTAL	244.7	1,045.5	1,710	1,104.9	1,340.9	1,242.8	1,294	1,065	428.9	676.1	113.2	138.2
MEAN	7.89	34.8	55.2	35.6	47.9	40.1	43.1	34.4	14.3	21.8	3.65	4.61
MAX	40	82	186	124	294	95	132	67	156	92	13	7.6
MIN	3.3	5.9	21	7.5	8.3	8.0	16	17	3.8	3.0	1.5	1.9
CFSM	.85	3.76	5.97	3.85	5.18	4.34	4.66	3.72	1.55	2.36	.40	.50
IN.	.99	4.42	6.88	4.45	5.40	5.00	5.21	4.29	1.73	2.72	.46	.56

CAL YR 1972 TOTAL 11,352.8 MEAN 31.0 MAX 201 MIN 1.2 CFSM 3.36 IN 45.71
WTR YR 1973 TOTAL 10,657.2 MEAN 29.0 MAX 294 MIN 1.5 CFSM 3.10 IN 42.10

01203519 Pootatuck River at Sandy Hook, Conn.

LOCATION.--Lat 41°25'13", long 73°16'58", Fairfield County, on downstream side of bridge on Church Hill Road, (U.S. Highway 6A) at Sandy Hook.

DRAINAGE AREA.--24.8 mi^2 (64.2 km^2).

PERIOD OF RECORD.--October 1965 to September 1973 (discontinued).

GAGE.--Non-recording gage, read once daily, and crest-stage gage. Datum of gage is 222.67 ft (67.870 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 48.0 ft^3/s (1.359 m^3/s), 26.28 in/yr (668 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,600 ft^3/s (45.3 m^3/s) June 30, gage height, 7.25 ft (2.210 m); minimum observed, 7.2 ft^3/s (0.20 m^3/s) Sept. 28-30.

Period of record: Maximum discharge, 2,160 ft^3/s (61.2 m^3/s) Apr. 2, 1970, gage height, 7.90 ft (2.408 m); minimum observed, 1.32 ft^3/s (0.037 m^3/s) Aug. 14, 15, Sept. 11-13, 1966, gage height, 2.35 ft (0.716 m).

PEAK DISCHARGE.--(BASE, 425 ft^3/s):

DATE	G.HT	DISCHARGE
10-07	5.92	692
02-03	7.20	1,560
04-10	5.39	436
06-30	7.25	1,600

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	17	145	60	58	43	53	80	48	300	15	15
2	7.2	36	115	60	422	43	52	86	48	110	44	15
3	7.2	20	95	180	978	43	97	53	52	81	64	15
4	7.0	17	90	220	300	50	58	63	58	60	50	15
5	7.0	16	135	150	175	60	151	63	48	100	30	15
6	7.0	15	245	115	131	57	125	65	39	76	25	15
7	371	14	212	95	115	57	108	68	43	62	22	15
8	180	148	274	70	138	172	108	57	52	55	17	15
9	40	212	286	55	108	140	112	122	39	52	15	15
10	25	68	185	48	120	73	318	108	35	43	15	15
11	25	52	121	46	80	70	159	100	29	39	15	15
12	18	48	108	43	70	65	112	90	28	39	15	15
13	17	43	125	40	57	62	93	80	25	39	15	15
14	15	236	97	44	60	63	86	68	23	39	15	15
15	14	161	100	48	100	68	80	62	22	39	15	15
16	13	82	103	48	73	62	74	83	22	39	15	15
17	13	68	95	48	55	108	73	62	22	39	15	15
18	13	57	86	45	60	100	70	86	22	35	15	15
19	13	75	64	44	55	73	62	73	24	34	15	15
20	13	100	108	71	54	62	62	75	25	32	15	15
21	13	80	115	85	55	52	60	112	28	31	15	15
22	13	68	250	94	70	53	58	100	28	29	15	15
23	14	80	270	145	53	50	57	73	32	28	15	15
24	13	95	200	86	51	48	54	68	27	27	15	15
25	13	105	145	62	48	45	54	65	22	26	15	12
26	13	125	104	52	45	127	154	60	22	34	15	9.8
27	13	145	110	52	48	93	139	55	22	32	15	8.5
28	13	108	93	60	50	62	185	80	187	28	25	7.2
29	30	80	69	75	------	57	105	108	334	25	17	7.2
30	35	80	62	85	------	57	90	100	1,100	22	15	7.2
31	22	------	60	60	------	53	------	80	------	20	15	------
TOTAL	1,094.6	2,49.	4,257	2,387	3,639	2,155	3,039	2,445	2,526	1,615	624	411.9
MEAN	32.4	81.3	137	77.0	129	69.5	100	78.9	84.2	52.1	20.1	13.7
MAX	371	236	286	220	978	172	318	122	1,100	300	64	15
MIN	7.0	14	60	40	45	43	52	53	22	20	15	7.2
CFSM	1.31	3.29	5.53	3.10	5.20	2.81	4.03	3.18	3.40	2.10	0.81	0.55
IN	1.51	3.68	6.39	3.58	5.41	3.25	4.51	3.67	3.79	2.42	0.94	0.62

CAL YR 1972 TOTAL 27,571.2 MEAN 75.3 MAX 782 MIN 7.0 CFSM 3.04 IN 41.37
WTY YR 1973 TOTAL 26,504.5 MEAN 72.6 MAX 1,100 MIN 7.0 CFSM 2.93 IN 39.77

01203600 Honewaug River at Minortown, Conn.

LOCATION.--Lat 41°34'32", long 73°10'45", Litchfield County, on right bank 1,000 ft (305 m) downstream from bridge by U.S. Highways 6 and 202 at Minortown, and 2.5 mi (4.0 km) northeast of Woodbury.

DRAINAGE AREA.--17.7 mi^2 (45.8 km^2).

PERIOD OF RECORD.--September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 354.69 ft (108.110 m) above mean sea level.

AVERAGE DISCHARGE(adjusted for storage and diversion from October 1962 to September 1969).--11 years, 27.1 ft^3/s (0.767 m^3/s), 20.79 in/yr (528 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,920 ft^3/s (54.4 m^3/s) Feb. 2, gage height, 5.23 ft (1.594 m); minimum, 0.80 ft^3/s (0.023 m^3/s) Aug. 28, gage height, 0.48 ft (0.146 m).

Period of record: Maximum discharge, 1,920 ft^3/s (54.4 m^3/s) Feb. 2, 1973, gage height, 5.23 ft (1.594 m), from r ing curve extended above 780 ft^3/s; minimum, 0.23 ft^3/s (0.065 m^3/s) Oct. 10, 1970,("1971" is incorrent in WY 1972 publication), gage height, 0.34 ft (0.104 m).

Flood of Aug. 19, 1955, reached a stage of 13.2 ft (4.02 m) from floodmarks, discharge, about 8,200 ft^3/s (232 m^3/s), estimated from a comparison of unit runoff of nearby streams.

PEAK DISCHARGE.--(BASE, 500 ft^3/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	1300	3.04	570	02-02	2030	5.23	1,920
11-26	1030	2.93	515	04-04	1930	3.52	852
12-06	1830	3.82	1,030	06-28	1530	3.40	780
01-01	0100	3.12	612	06-30	0700	4.56	1,480
01-22	2300	3.16	636				

REMARKS.--Records good. Flow regulated by Lockwood Reservoir. Diversion for municipal supply of town of Watertown.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	4.7	135	320	30	22	109	41	23	109	6.1	6.4
2	4.1	11	64	118	100	25	196	39	25	60	30	5.6
3	3.4	35	49	81	485	27	98	46	19	40	21	5.6
4	3.6	15	42	104	149	81	211	46	19	44	17	4.1
5	3.4	13	77	87	101	49	161	37	16	86	10	3.8
6	3.4	37	271	56	78	41	93	31	14	49	7.8	19
7	153	9.0	159	42	47	40	74	26	15	34	6.1	8.2
8	6.4	83	116	37	47	137	64	24	12	26	5.3	5.3
9	6.1	42	226	33	60	78	65	55	9.5	19	4.7	4.3
10	5.3	38	125	31	50	54	151	41	7.8	16	4.3	3.8
11	5.3	24	98	29	45	50	83	92	7.1	17	5.0	3.6
12	4.7	23	69	27	40	55	64	51	6.1	14	6.1	3.6
13	4.7	18	78	25	38	49	54	40	7.1	12	4.5	3.4
14	3.8	179	62	24	36	50	48	33	6.8	15	3.6	4.5
15	3.8	98	54	25	55	50	44	36	4.1	28	3.6	19
16	3.4	54	55	25	38	47	40	47	4.3	18	3.8	7.5
17	3.6	41	50	26	35	157	38	38	2.9	15	3.6	5.8
18	2.9	33	45	26	30	98	36	69	3.8	10	3.6	7.1
19	2.7	28	38	29	26	64	59	41	4.3	8.2	3.2	6.4
20	3.2	137	45	60	25	51	53	48	4.1	8.2	3.2	5.3
21	3.0	55	42	36	26	45	40	95	4.1	31	2.9	4.5
22	2.9	39	125	74	35	41	37	49	13	18	2.7	4.5
23	2.8	33	98	118	27	38	35	39	11	12	2.7	16
24	2.7	28	81	50	25	35	41	35	7.1	8.6	2.2	8.2
25	2.7	26	71	37	23	33	33	32	5.6	7.5	2.1	5.8
26	2.5	174	68	33	21	95	51	30	5.3	31	1.8	4.3
27	2.5	75	80	44	20	56	78	31	7.8	18	1.8	4.1
28	3.2	50	57	72	20	44	133	49	109	13	3.8	3.4
29	19	40	44	44	------	39	85	49	74	9.0	4.5	3.2
30	11	36	40	35	------	38	49	34	545	7.5	2.7	2.9
31	5.6	------	101	30	------	49	------	27	------	6.4	2.2	------
TOTAL	291.3	1,530.7	2,657	1,778	1,752	1,738	2,323	1,342	992.8	808.4	181.9	189.2
MEAN	9.40	51.0	85.7	57.4	62.6	56.1	77.4	43.3	33.1	26.1	5.87	6.31
MAX	153	179	271	320	485	157	211	95	545	109	30	19
MIN	2.5	4.7	38	24	20	22	33	24	2.9	6.4	1.8	2.9
CFSM	.53	2.88	4.84	3.24	3.54	3.17	4.37	2.45	1.87	1.47	.33	.36
IN.	.61	3.22	5.58	3.74	3.68	3.65	4.88	2.82	2.09	1.70	.38	.40

CAL YR 1972 TOTAL 18,927.6 MEAN 51.7 MAX 997 MIN 2.5 CFSM 2.92 IN 39.78
WTR YR 1973 TOTAL 15,584.3 MEAN 42.7 MAX 545 MIN 1.8 CFSM 2.41 IN 32.75

01204000 Pomperaug River at Southbury, Conn.

LOCATION.--Lat 41°28'50", long 73°13'30", New Haven County, on right bank 200 ft (60 m) upstream from bridge on Poverty Road, 800 ft (250 m) downstream from Bullet Hill Brook, 0.6 mile (1.0 km) west of Southbury, and 5.8 miles (9.3 km) upstream from mouth.

DRAINAGE AREA.--75.0 mi² (194.2 km²).

PERIOD OF RECORD.--June 1932 to current year.

GAGE.--Water-stage recorder. Datum of gage is 165.60 ft (50.475 m) above mean sea level; levels by Corps of Engineers.

AVERAGE DISCHARGE(adjusted for storage and diversion from October 1960 to September 1969).--41 years, 124 ft³/s (3.512 m³/s), 22.46 in/yr (570 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,090 ft³/s (116 m³/s) Feb. 3, gage height, 11.48 ft (3.499 m); minimum, 14 ft³/s (0.40 m³/s) Oct. 6, gage height, 2.52 ft (0.768 m).

Period of record: Maximum discharge, 29,400 ft³/s (833 m³/s) Aug. 19, 1955, gage height, 21.8 ft (6.64 m), from floodmarks, from rating curve extended above 1,200 ft³/s (34.0 m³/s) by computation of peak flow over dam at gage height 15.0 ft (4.88 m) and by slope-area measurement of peak flow; minimum, 2.5 ft³/s (0.071 m³/s) Aug. 30, 31, 1966; minimum gage height, 2.31 ft (0.704 m) Aug. 10, 1957.

PEAK DISCHARGE.--(BASE, 1,400 ft³/s):

DATE	TIME	G.HT	DISCHARGE
12-07	0100	7.14	1,[illegible]0
02-03	0300	11.48	4,090
06-30	11[illegible]	10.17	3,260

REMARKS.--Records good. Flow regulated by Lockwood Reservoir and occasionally at low flow by mill upstream. Diversion for municipal supply of town of Watertown. Records of water quality for the current year are published in Part 2 of this report. See REVISIONS summary paragraph in WDP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	33	493	990	149	91	300	195	125	536	44	40
2	19	39	291	505	622	107	734	180	127	391	121	38
3	17	77	232	346	2,030	119	408	175	107	225	118	28
4	16	54	289	401	713	261	464	219	104	389	97	23
5	15	51	298	391	499	192	730	180	97	527	65	21
6	15	48	595	278	393	165	410	156	88	317	53	53
7	248	43	795	187	321	150	319	139	125	222	45	51
8	161	165	434	167	294	429	353	125	98	180	40	32
9	71	378	863	160	305	312	302	191	78	155	37	25
10	52	156	524	153	215	231	577	200	67	190	35	22
11	44	110	395	138	189	205	397	247	60	143	43	20
12	40	108	310	126	157	214	298	231	53	121	46	18
13	38	87	325	114	160	197	253	193	55	106	37	17
14	35	379	283	107	148	185	228	164	57	95	32	20
15	34	503	248	107	224	200	210	152	45	152	31	70
16	33	234	253	107	196	181	197	202	43	123	31	40
17	31	188	201	110	128	419	186	159	39	94	30	38
18	29	161	187	112	122	385	178	236	38	80	29	34
19	38	142	182	119	120	250	198	211	40	70	27	32
20	30	450	198	254	123	212	220	170	38	67	25	26
21	29	284	203	135	126	188	174	299	37	162	24	23
22	28	200	460	148	155	175	158	240	52	110	23	22
23	28	163	405	549	142	162	147	280	70	84	22	65
24	27	145	347	234	114	149	182	188	50	68	20	43
25	26	134	298	184	100	143	144	166	42	60	19	34
26	24	544	283	162	101	333	194	158	37	135	18	29
27	23	350	316	165	94	234	249	156	48	110	17	26
28	26	235	255	302	89	188	405	202	324	84	27	24
29	51	204	215	213	------	170	278	236	286	66	37	22
30	45	187	197	181	------	162	223	164	1,050	56	25	21
31	36	------	309	172	------	200	------	145	------	50	23	------
TOTAL	1,325	5,848	10,604	7,315	8,029	6,609	9,116	5,879	4,280	5,081	1,242	941
MEAN	42.7	195	342	236	287	213	304	190	143	164	40.1	31.4
MAX	248	544	863	990	2,030	429	734	299	1,050	536	121	70
MIN	15	33	182	107	89	91	144	125	37	50	17	17
CFSM	.57	2.60	4.56	3.15	3.83	2.84	4.05	2.53	1.91	2.19	.53	.42
IN.	.66	2.90	5.26	3.63	3.98	3.28	4.52	2.92	2.12	2.52	.62	.47

CAL YR 1972 TOTAL 71,877 MEAN 196 MAX 1,270 MIN 13 CFSM 2.61 IN 35.69
WTR YR 1973 TOTAL 66,269 MEAN 182 MAX 2,030 MIN 15 CFSM 2.43 IN 32.87

01204900 Copper Mill Brook near Monroe, Conn.

LOCATION.--Lat 41°21'46", Long 73°13'09", Fairfield County, on right bank just upstream from twin culverts on Hammertown Road, 700 ft (210 m) upstream from mouth, 1.2 mi (1.9 km) west of State Highway 111, 2.2 mi (3.5 km) northwest of Monroe, and 2.3 mi (3.5 km) east of Botsford.

DRAINAGE AREA.--2.45 mi² (6.35 km²).

PERIOD OF RECORD.--June 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 331.05 ft (100.904 m) above mean sea level.

AVERAGE DISCHARGE.--15 years, 4.67 ft³/s (0.132 m³/s), 25.89 in/yr (658 mm/yr).

EXTREMES.--Current year: Maximum discharge, 255 ft³/s (7.22 m³/s)Feb. 2, gage height, 7.10 ft (2.164 m); minimum, 0.39 ft³/s (0.011 m³/s) Sept. 13, 14, gage height, 0.43 ft (0.131 m).

Period of record: Maximum discharge, 255 ft³/s (7.22 m³/s) Feb. 2, 1973, gage height, 7.10 ft (2.164 m), from rating curve extended above 100 ft³/s (2.83 m³/s) on basis of computation of peak flow through culvert; minimum, 0.04 ft³/s (0.001 m³/s) Sept. 9-11, 1964; minimum gage height, 0.33 ft (0.101 m) Sept. 10, 11, 1964, Aug. 20, 22, 23, 1970.

PEAK DISCHARGE.--(BASE, 80 ft³/s):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	1330	3.89	126	02-02	1700	7.10	255
11-08	1930	3.25	94	04-04	2030	3.20	91
11-14	1700	3.07	84	06-30	0700	5.44	189
11-26	1100	4.23	140				

REMARKS.--Records good except those for period of no record, which are fair. Infrequent regulation at low flow. See revisions of peak discharge for water years 1959-65 in WSP 2101.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.6	34	34	5.0	4.3	26	9.0	7.1	23	1.0	.78
2	.75	4.3	15	14	107	4.8	35	8.0	5.3	13	14	.72
3	.64	5.3	12	10	54	4.9	14	9.0	5.2	9.9	7.3	.59
4	.59	3.0	10	19	25	14	26	9.0	6.6	14	4.2	1.1
5	.55	2.6	15	16	19	8.2	30	8.0	5.5	17	2.9	.72
6	.55	2.4	29	10	15	6.5	15	7.0	4.7	11	2.3	.78
7	54	2.2	29	6.4	14	7.6	14	6.0	4.2	7.6	2.0	.65
8	16	33	20	3.0	15	30	14	6.0	3.3	6.2	1.0	.48
9	4.5	32	39	3.5	13	15	14	10	3.9	5.3	1.6	.43
10	2.7	10	19	3.5	9.2	10	25	15	2.9	4.9	1.4	.39
11	2.2	7.3	14	3.5	8.5	9.5	17	10	2.4	4.6	3.1	.39
12	2.3	6.4	12	3.6	9.6	9.9	13	14	1.6	4.6	2.2	.39
13	2.4	5.4	14	3.8	6.0	8.3	11	11	2.9	3.8	1.6	.35
14	2.0	38	11	4.0	5.8	8.9	10	9.1	3.1	3.5	1.4	2.3
15	2.0	27	12	4.5	15	9.1	9.2	9.3	2.0	5.9	1.0	3.3
16	1.8	12	13	4.8	6.9	8.0	8.8	10	2.7	7.1	1.4	1.2
17	1.7	9.9	8.2	4.9	8.0	19	8.4	7.8	1.9	4.1	1.1	.86
18	1.6	8.6	6.7	5.1	5.5	14	8.3	19	1.8	3.1	1.0	10
19	2.5	7.7	7.5	11	8.0	9.1	9.8	9.9	2.0	2.7	1.0	2.4
20	2.6	32	13	11	8.4	8.0	18	13	1.9	2.6	.84	1.4
21	2.0	13	11	6.0	7.4	7.3	8.0	24	1.9	8.7	.78	1.0
22	2.0	9.4	33	19	9.0	6.9	7.0	11	2.9	7.1	1.0	1.6
23	1.9	7.7	22	18	7.1	6.6	6.6	9.9	3.9	3.8	.78	5.5
24	1.9	7.1	17	9.2	5.4	6.0	8.0	10	2.4	2.8	.72	2.0
25	1.8	6.9	13	7.1	4.9	6.2	6.5	8.7	1.9	2.4	.78	1.5
26	1.6	63	12	6.5	4.8	22	9.0	8.5	1.6	8.7	.72	1.2
27	1.6	22	13	15	4.5	10	12	7.8	2.3	5.3	.72	1.0
28	2.9	14	10	15	4.1	8.0	18	11	34	3.8	2.4	.93
29	9.2	11	8.4	11	------	7.1	12	9.5	23	2.8	1.4	.84
30	4.8	10	7.7	8.0	------	6.9	10	6.8	115	2.3	.86	.72
31	3.0	------	15	6.0	------	6.8	------	14	------	1.9	.78	------
TOTAL	135.58	415.8	495.5	297.2	393.1	382.9	414.5	329.3	259.9	203.5	67.70	45.74
MEAN	4.37	13.9	16.0	9.59	14.0	9.77	13.8	10.6	8.66	6.56	2.18	1.52
MAX	54	63	39	34	107	30	35	24	115	23	16	10
MIN	.55	2.2	6.7	3.5	4.1	4.3	6.5	6.0	1.6	1.9	.72	.35
CFSM	1.78	5.67	6.53	3.91	5.71	3.99	5.63	4.33	3.53	2.68	.89	.62
IN	2.06	6.31	7.52	4.51	5.97	4.60	6.29	5.00	3.95	3.09	1.03	.69

CAL YR 1972 TOTAL 3,542.75 MEAN 9.68 MAX 117 MIN .43 CFSM 3.95 IN 53.65
WTR YR 1973 TOTAL 3,360.73 MEAN 9.21 MAX 115 MIN .35 CFSM 3.76 IN 51.05

NOTE.--No gage-height record Apr 7 to May 10.

01205500 Housatonic River at Stevenson, Conn.

LOCATION.--Lat 41°23'02", long 73°10'05", New Haven County, on left bank 0.2 mile (0.3 km) downstream from dam of Connecticut Light and Power Company at Stevenson, Fairfield County, 0.2 mile (0.3 km) upstream from Eight-mile Brook, and at mile 19.2 (30.9 km).

DRAINAGE AREA.--1,541 mi² (3,991 km²).

PERIOD OF RECORD.--August 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is 24.98 ft (7.614 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE (adjusted for storage and diversion).--45 years, 2,536 ft³/s (71.82 m³/s) 22.35 in/yr (568 mm/yr).

EXTREMES.--Current year: Maximum discharge, 41,500 ft³/s (1,180 m³/s) Feb. 3, gage height, 18.20 ft (5.547 m); minimum, 48 ft³/s (1.36 m³/s) Sept. 11, gage height, 0.60 ft (0.183 m); minimum daily, 74 ft³/s (2.10 m³/s) Aug. 19.

Period of record: Maximum discharge, 75,800 ft³/s (2,150 m³/s) Oct. 16, 1955, gage height, 24.50 ft (7.467 m), from rating curve extended above 35,000 ft³/s (991 m³/s) on basis of computation of peak flow at Stevenson and Derby Dams and slope-area measurement at gage heights 21.5 and 23.5 ft (6.55 and 7.16 m); practically no flow at times, result of regulation.

REMARKS.--Records excellent. Ordinary flow completely regulated by Stevenson Hydroelectric Plant. Flow regulated by Lake Candlewood, Lake Lillinonah, Lake Zoar, Cairns and Shepaug Reservoirs, (see p.), and by diversion out of basin at Shepaug Reservoir. Records of water quality for the current year are published in Part 2 of this report. See REVISIONS summary paragraph in WDR 1981.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	1,030	6,390	8,970	3,990	931	3,170	3,100	4,920	11,500	1,770	220
2	990	1,350	6,470	12,900	6,490	5,930	7,140	2,360	1,800	7,560	3,560	212
3	517	1,850	5,620	9,260	31,000	2,790	9,020	2,980	896	6,870	5,390	243
4	449	1,460	4,990	8,450	16,100	4,000	11,930	3,920	3,430	6,500	1,730	2,030
5	632	589	4,980	7,650	14,830	5,630	12,330	3,540	3,480	9,070	194	1,030
6	527	1,700	9,560	6,470	10,200	5,260	10,600	1,910	3,200	9,360	2,290	204
7	4,150	1,330	12,030	3,913	8,358	5,330	9,820	3,320	3,580	6,370	1,970	565
8	5,450	2,830	10,000	3,350	8,300	4,670	9,033	3,110	3,540	4,370	2,060	230
9	600	4,660	13,400	3,110	8,050	6,590	4,790	3,540	83	3,730	2,160	218
10	1,700	4,960	11,000	4,050	5,560	5,090	7,913	3,960	432	3,870	2,150	945
11	1,533	2,290	8,410	3,730	3,183	4,850	9,860	4,450	2,710	3,820	85	736
12	1,390	765	7,600	4,210	4,650	4,170	8,333	6,100	2,840	2,870	271	524
13	1,130	2,220	7,830	2,520	4,400	4,690	7,030	3,810	3,030	2,000	696	645
14	396	4,530	6,490	2,630	6,410	4,870	6,500	3,840	1,680	305	1,870	915
15	721	7,400	6,380	3,410	6,390	4,150	4,050	4,280	1,270	2,000	2,310	489
16	1,720	6,830	5,460	2,240	6,370	5,160	4,800	4,850	370	2,400	720	223
17	1,450	4,610	5,050	3,060	4,973	5,360	5,230	5,040	195	2,210	1,150	781
18	1,420	3,550	4,010	2,230	1,950	8,330	5,600	5,280	2,060	1,480	203	2,010
19	1,940	3,370	4,390	2,640	1,330	7,360	5,700	6,490	1,430	1,450	74	1,350
20	1,340	5,690	5,010	3,930	848	6,570	3,300	6,030	1,250	2,490	1,020	746
21	82	6,340	5,400	1,840	1,630	6,130	3,400	6,670	1,200	2,330	1,770	464
22	83	5,270	6,080	3,890	2,830	5,940	1,733	7,430	1,410	1,130	1,240	183
23	765	3,760	6,320	7,190	2,940	4,180	4,500	6,650	83	1,630	1,170	308
24	1,160	3,740	5,050	8,500	1,640	3,780	5,670	6,980	183	1,200	631	1,800
25	978	2,040	4,030	5,210	321	3,820	3,730	5,500	1,780	1,000	78	407
26	1,050	5,060	4,570	5,370	2,020	5,090	3,920	2,880	1,630	1,200	76	498
27	897	7,310	4,870	2,870	2,250	6,140	6,020	3,370	1,660	2,110	245	757
28	646	6,410	5,440	5,010	1,720	4,640	4,660	4,330	3,540	1,110	692	764
29	461	6,200	4,540	4,720	------	5,390	3,310	6,430	5,960	262	1,050	1,150
30	1,240	5,390	4,150	4,360	------	5,670	4,010	5,730	10,100	1,870	2,270	238
31	958	------	4,310	3,260	------	3,830	------	4,250	------	1,710	1,440	------
TOTAL	36,503	114,574	197,500	150,990	169,019	153,581	186,130	141,430	99,432	105,777	42,335	29,085
MEAN	1,177	3,819	6,371	4,869	6,036	4,954	6,204	4,562	3,313	3,412	1,366	696
MAX	5,450	7,400	13,400	12,900	31,000	8,330	12,330	7,430	10,100	11,500	5,390	2,030
MIN	75	589	4,010	1,840	321	931	1,700	1,910	83	262	74	183
(†)	-67	+218	-82	+8	-33	+70	+22	-2	+88	+34	-33	+33
MEAN†	1,110	4,057	6,289	4,877	6,003	5,024	6,226	4,560	2,401	3,446	1,333	729
CFSM†	0.72	2.63	4.08	3.16	3.90	3.26	4.04	2.96	1.56	2.24	0.86	0.47
IN†	0.83	2.93	4.70	3.64	4.06	3.76	4.51	3.41	1.74	2.58	0.99	0.52

CAL YR 1972 TOTAL 1,478,039 MEAN 4,036 MAX 14,500 MIN 36 MEAN† 4,054 CFSM† 2.63 IN† 35.78
WTR YR 1973 TOTAL 1,328,083 MEAN 3,863 MAX 31,000 MIN 74 MEAN† 3,826 CFSM† 2.48 IN† 33.67

† Change in contents in Candlewood, Lillinonah, and Zoar Lakes, Shepaug Reservoirs, and diversion out of basin at Lake Candlewood and Shepaug Reservoir, equivalent in cubic feet per second; furnished by Connecticut Light and Power Company, city of Waterbury, and city of Danbury.

† Adjusted for diversion and change in contents.

01205600 West Branch Naugatuck River at Torrington, Conn.

LOCATION.--Lat 41°48'03", long 73°07'26", Litchfield County, on right bank just downstream from bridge on Prospect Street in Torrington, 0.5 mi (0.8 km) upstream from confluence with East Branch, and 3 mi (5 km) downstream from Stillwater Pond.

DRAINAGE AREA.--33.7 mi² (87.3 km²).

PERIOD OF RECORD.--August 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 543.54 ft (165.671 m) above mean sea level. See WSP 1721 for history of change prior to May 24, 1960. May 24, 1960, to July 2, 1964, water-stage recorder, and July 3-30, 1965, nonrecording gage, 80 ft (24 m) upstream on right rank at present datum. July 31 to Sept. 27, 1965, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--17 years, 52.4 ft³/s (1.484 m³/s), and unadjusted.

EXTREMES.--Current year: Maximum discharge, 2,890 ft³/s (81.8 m³/s) Dec. 6, gage height, 5.33 ft (1.625 m); minimum, 1.8 ft³/s (0.051 m³/s) Sept. 14; minimum gage height, 1.80 ft (0.549 m) part of each day Aug. 24-28.

Period of record: Maximum discharge, 3,600 ft³/s (102 m³/s) Sept. 12, 1960, gage height, 7.46 ft (2.274 m); minimum daily, 0.3 ft³/s (0.008 m³/s) Aug. 21, Sept. 1, 1968.

Maximum discharge known occurred on Aug. 19, 1955, discharge, 11,900 ft³/s (337 m³/s), by computation of peak flow over dam 3 mi (5 km) upstream; drainage area, 24.4 mi², (63.1 km), revised.

REMARKS.--Records good except those for February, which are fair. City of Torrington diverts an average of about 4 mgd (0.18 m³/s) for municipal supply from North Pond, Whist Pond, and Reuben Hart Reservoir. Occasional regulation at low flow by Stillwater Pond. High flow regulated by Hall Meadow Brook Detention Reservoir (see station 01205560).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	18	181	578	65	23	145	46	52	105	8.0	22
2	8.0	39	122	308	350	36	371	55	52	121	68	13
3	7.0	74	103	199	480	69	245	66	44	53	71	11
4	6.5	49	108	178	580	167	325	104	37	44	36	9.0
5	6.0	42	117	156	350	153	334	75	35	344	24	8.9
6	6.5	35	710	100	250	135	216	59	31	173	17	18
7	157	27	403	80	200	105	173	49	31	99	13	11
8	142	163	269	70	170	300	135	44	28	67	12	8.2
9	96	173	416	60	140	220	98	74	25	52	11	6.5
10	76	90	295	50	120	174	244	97	22	25	11	5.8
11	17	54	224	48	100	131	203	222	19	23	10	4.4
12	16	56	170	34	90	135	157	163	22	19	16	3.3
13	16	48	146	30	80	147	104	119	26	15	11	2.7
14	14	332	131	28	70	116	83	80	26	16	5.2	4.6
15	19	146	108	27	60	118	72	68	20	22	4.4	8.0
16	15	104	106	29	55	103	63	99	15	24	4.6	15
17	16	76	90	32	50	367	57	75	16	20	5.1	8.5
18	14	65	80	35	45	337	51	250	13	15	5.2	12
19	14	66	71	57	42	216	57	174	14	13	5.2	12
20	14	297	69	143	38	163	55	150	13	11	5.2	9.0
21	13	141	69	102	39	108	44	313	13	25	5.7	6.0
22	13	91	145	99	41	73	41	190	16	24	4.7	4.6
23	13	64	165	99	38	61	43	143	17	19	4.7	17
24	13	58	123	99	31	54	62	100	16	13	3.3	18
25	12	56	104	99	29	52	50	76	15	13	2.9	12
26	11	576	96	91	28	186	71	62	11	16	2.9	8.4
27	11	243	69	78	26	140	119	59	13	15	2.9	6.2
28	16	180	79	42	26	36	203	75	26	26	6.8	5.6
29	23	124	85	80	------	69	137	115	44	23	4.5	4.1
30	22	107	81	75	------	61	41	78	456	16	7.7	3.5
31	16	------	120	70	------	56	------	57	------	11	8.3	------
TOTAL	750.0	3,658	5,031	3,224	3,431	4,138	4,101	3,355	1,176	1,556	181.5	279.3
MEAN	24.2	122	162	104	137	133	137	104	38.0	50.1	12.3	9.28
MAX	157	576	710	578	600	367	371	313	456	344	71	22
MIN	6.0	18	61	27	26	23	41	44	11	11	2.9	2.7

CAL YR 1972 TOTAL 39,587.1 MEAN 108 MAX 710 MIN 6.0
WTR YR 1973 TOTAL 31,475.4 MEAN 86.2 MAX 600 MIN 2.7

01205700 East Branch Naugatuck River at Torrington, Conn.

LOCATION.--41°48'12", long 73°07'06", Litchfield County, on upstream side of Wall Street bridge in Torrington, 0.3 mile (0.5 km) downstream from Troy Brook, and 0.6 mile (1.0 km) upstream from confluence with West Branch.

DRAINAGE AREA.--13.7 mi² (35.5 km²).

PERIOD OF RECORD.--August 1956 to current year.

GAGE.--Run-recording gage and crest-stage gage. Datum of gage is 539.26 ft (164.355 m) above mean sea level.

AVERAGE DISCHARGE(adjusted for storage since October 1965).--17 years, 24.4 ft³/s (0.691 m³/s), 24.18 in/yr (614 mm/yr).

EXTREMES.--Current year: Maximum discharge, 745 ft³/s (21.1 m³/s) Feb. 2, gage height, 3.61 ft (1.100 m); minimum observed, 2.1 ft³/s (0.059 m³/s) Aug. 26 and 27, gage height, 0.99 ft (0.302 m).

Period of record: Maximum discharge, 1,580 ft³/s (42.5 m³/s) Aug. 5, 1969, gage height, 4.95 ft (1.478 m); minimum observed, 0.3 ft³/s (0.008 m³/s) Aug. 19, 1963, and Aug. 24, 1964; minimum gage height observed 0.86 ft (0.262 m) Aug. 24, 1964.

REMARKS.--Records good. Flow regulated by Lake Winchester, and by East Branch Detention Reservoir, (see p. 94). See REVISIONS summary paragraph in WDR 1981.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	16	96	236	29	15	94	26	19	41	78	7.7
2	6.9	27	60	94	234	23	142	23	22	26	118	6.5
3	5.6	41	54	49	284	18	72	22	19	18	19	6.0
4	5.1	25	50	60	170	54	86	34	16	114	15	6.0
5	4.8	27	42	50	160	47	119	26	14	144	9.6	5.6
6	5.5	23	190	56	118	37	68	21	13	44	7.7	6.2
7	94	21	210	36	95	31	41	18	13	26	5.6	5.6
8	41	79	102	31	47	90	67	18	11	18	5.9	6.5
9	19	84	1.6	28	44	58	91	38	9.6	14	5.6	6.0
10	14	41	100	26	41	44	133	30	9.1	12	5.1	6.0
11	11	33	74	23	37	38	72	70	7.7	10	4.5	5.6
12	10	33	57	16	29	53	50	38	25	10	5.1	5.6
13	10	29	46	17	29	46	41	28	75	7.7	4.5	5.5
14	9.5	108	36	14	21	44	36	24	9.6	6.7	4.5	5.6
15	12	112	47	14	50	41	30	36	7.2	10	5.0	10
16	9.6	54	50	14	23	38	28	38	6.2	8.6	4.0	5.1
17	9.6	43	75	12	21	124	26	26	5.6	6.7	4.0	4.5
18	15	38	55	16	29	130	26	80	5.4	6.2	3.6	5.6
19	13	37	38	18	22	66	31	41	5.1	5.6	3.0	6.2
20	13	116	37	20	20	47	25	45	5.1	4.8	3.3	4.5
21	16	54	36	19	18	35	21	116	5.1	25	3.1	4.0
22	16	38	66	19	21	33	20	68	7.7	8.7	3.1	4.0
23	16	33	56	95	16	30	19	44	6.2	6.2	3.0	8.1
24	15	28	41	38	16	29	29	37	5.1	5.6	2.8	6.2
25	14	26	37	26	13	24	21	30	4.5	5.1	2.6	6.2
26	14	140	34	26	14	83	37	28	4.5	18	2.2	5.1
27	14	93	36	26	18	52	47	28	4.5	9.6	2.4	4.5
28	14	50	24	33	19	36	34	37	39	5.6	3.0	4.3
29	21	49	21	28	------	31	38	44	50	6.-	4.0	4.0
30	19	46	21	34	------	29	30	28	181	6.2	4.0	3.5
31	16	------	95	32	------	33	------	23	------	5.1	3.1	------
TOTAL	486.5	1,598	2,057	1,152	1,545	1,650	1,527	1,157	603.2	619.3	341.7	150.0
MEAN	15.7	53.3	66.4	37.2	55.1	45.8	50.9	37.3	20.1	20.0	11.0	5.00
MAX	94	140	210	284	284	130	142	116	181	144	118	10
MIN	4.8	15	21	12	13	13	19	18	4.5	4.8	2.2	3.3
(†)	+0.1	0	+0.1	-0.1	0	0	0	0	+0.5	-0.6	-0.3	-0.2
MEAN‡	15.8	53.3	66.5	37.1	55.1	46.0	50.9	37.3	20.6	19.4	10.7	4.80
CFSM‡	1.15	3.74	4.85	2.71	4.02	3.42	3.72	2.72	1.50	1.42	0.78	0.35
IN‡	1.33	4.17	5.59	3.12	4.19	3.94	4.15	3.14	1.67	1.64	0.90	0.39

CAL YR 1972 TOTAL 15,421.0 MEAN 42.1 MAX 210 MIN 2.2 MEAN‡ 42.1 CFSM‡ 3.07 IN‡ 41.66
WTR YR 1973 TOTAL 12,624.7 MEAN 34.6 MAX 284 MIN 2.2 MEAN‡ 34.6 CFSM‡ 2.53 IN‡ 34.23

† Change in contents in Lake Winchester and East Branch Detention Reservoir, equivalent in cubic feet per second; records for East Branch Detention Reservoir furnished by Corps of Engineers.

‡ Adjusted for change in contents.

01206600 Leadmine Brook near Harwinton, Conn.

LOCATION.--Lat 41°43'00", long 73°03'13", Litchfield County, on left bank upstream from bridge on South Road at Hurlebeck Lodge, 300 ft (91 m) downstream from Rock Brook, 2.0 miles (4.9 km) upstream from mouth, and 1.0 mile (4.8 km) south of Harwinton.

DRAINAGE AREA.--19.6 mi² (50.8 km²).

PERIOD OF RECORD.--February 1959 to September 1973 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 314.98 ft (156.844 m) above mean sea level.

AVERAGE DISCHARGE.--14 years, 39.8 ft³/s (1.070 m³/s) 26.19 in/yr (665 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,360 ft³/s (38.5 m³/s) Feb. 2, gage height, 7.70 ft (2.347 m); minimum, 5.6 ft³/s (0.16 m³/s) Aug. 31, gage height, 1.67 ft (0.509 m).

Period of record: Maximum discharge, 1,530 ft³/s (43.3 m³/s) June 4, 1960, gage height, 8.13 ft (2.478 m), from rating curve extended above 600 ft³/s (17.0 m³/s); minimum, 0.3 ft³/s (0.085 m³/s) Sept. 24-28, 1966; minimum gage height, 0.80 ft (0.244 m) Aug. 9, 1961.

PEAK DISCHARGE.--(BASE, 500 ft³/s):

DATE	TIME	G.HT	DISCHARGE
10-27	1500	5.55	685
11-14	1630	5.16	540
12-08	2100	5.65	675
02-03	2230	7.70	1,360
05-29	1600	6.24	882
06-30	0630	6.99	1,080
09-03	1700	5.08	744

REMARKS.--Records excellent. Occasional regulation at low flow.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	19	160	350	101	51	94	47	56	160	17	25
2	11	30	94	160	395	54	221	43	56	42	45	15
3	6.6	55	72	101	543	66	176	47	50	43	135	26
4	7.2	36	65	105	174	151	172	53	70	104	67	12
5	6.4	35	104	107	120	60	209	42	70	156	35	6.9
6	6.4	31	112	74	94	75	108	37	70	90	25	96
7	276	26	262	65	74	65	42	36	70	57	22	45
8	166	171	123	60	74	187	74	31	75	46	20	74
9	59	256	232	57	71	117	71	46	73	36	17	16
10	40	77	166	55	65	43	216	58	70	31	16	15
11	32	50	115	50	60	71	106	100	16	40	17	13
12	29	55	70	47	50	75	87	63	15	31	17	11
13	29	40	41	45	55	45	70	53	55	27	15	6.3
14	24	251	77	44	50	66	60	46	41	25	13	13
15	24	160	63	40	47	70	55	42	35	30	17	44
16	21	45	65	35	45	61	49	43	32	29	17	23
17	21	47	54	34	40	187	47	43	19	23	13	17
18	19	47	115	30	34	166	46	113	17	26	12	70
19	19	51	55	45	35	40	40	67	16	16	11	20
20	19	225	45	136	33	32	42	73	15	17	11	15
21	18	105	45	46	34	42	42	223	16	34	6.7	13
22	18	69	111	45	34	55	34	95	23	27	6.5	12
23	18	34	90	45	34	46	40	66	26	20	6.5	23
24	17	47	75	45	33	45	37	57	20	17	6.5	22
25	17	46	46	40	33	42	42	49	16	14	7.2	20
26	15	227	45	56	29	116	45	45	15	20	6.6	16
27	15	125	34	56	26	34	132	45	20	21	6.1	14
28	16	36	50	47	26	56	122	44	270	19	6.0	13
29	32	41	46	41	------	49	71	107	221	15	11	13
30	27	53	43	106	------	40	56	58	457	15	7.2	12
31	22	------	39	125	------	46	------	45	------	13	7.6	------
TOTAL	1,025.6	2,505	3,123	2,060	2,525	2,626	2,636	1,963	1,804	1,329	639.2	622.2
MEAN	33.1	84.2	101	70.5	90.2	76.3	88.5	64.8	60.3	42.8	20.6	20.7
MAX	276	251	312	350	543	187	221	223	457	160	135	96
MIN	6.6	19	43	34	26	30	30	31	15	13	6.1	6.9
CFSM	1.69	4.30	5.15	3.58	4.60	3.89	4.52	3.31	3.06	2.17	1.05	1.06
IN.	1.95	4.91	5.93	3.92	4.79	4.60	5.06	3.76	3.43	2.52	1.21	1.18

CAL YR 1972 TOTAL 23,320.7 MEAN 63.7 MAX 300 MIN 3.5 CFSM 3.25 IN 44.27
WTR YR 1973 TOTAL 23,176.3 MEAN 63.5 MAX 457 MIN 6.1 CFSM 3.24 IN 43.99

01206900 Naugatuck River at Thomaston, Conn.

LOCATION.--Lat 41°40'25", long 73°04'12", Litchfield County, on left bank at downstream side of bridge on U.S. Highways 6 and 202 at Thomaston, 1.5 mi (2.4 km) downstream from Thomaston Reservoir, 2.5 mi (4.0 km) upstream from Branch Brook, and at mile 29.5 (47.5 km).

DRAINAGE AREA.--99.2 mi² (256.9 km²).

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 354.30 ft (108.018 m) above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--14 years, 183 ft³/s (5.183 m³/s), 25.65 in/yr (651 mm/yr)

EXTREMES.--Current year: Maximum discharge, 2,410 ft³/s (68.2 m³/s) Dec. 8, gage height, 4.82 ft (1.469 m); minimum, 19 ft³/s (0.54 m³/s) Aug. 26, gage height, 1.62 ft (0.494 m).

Period of record: Maximum discharge, 5,160 ft³/s (146 m³/s) Mar. 31, 1960, gage height, 6.25 ft (1.905 m); minimum, 6.4 ft³/s (0.19 m³/s) Sept. 20, 1964, gage height, 1.39 ft (0.424 m); minimum daily, 8.4 ft³/s (0.24 m³/s) Sept. 14, 21, 27, 28, 1964.

Flood of Aug. 19, 1955, reached a stage of 27.0 ft (8.23 m), from floodmarks by Corps of Engineers, discharge, 53,400 ft³/s (1,510 m³/s), from indirect measurements of peak flow on Naugatuck River, 71.9 mi² (186.2 km²), and Leadmine Brook 24.0 mi² (62.2 km²), adjusted for intervening drainage area.

REMARKS.--Records excellent. Slight diurnal fluctuation at low flow. Flow regulated by Thomaston Reservoir, Hall Meadow Brook and East Branch Detention Reservoirs and Lake Winchester (see p. 96).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	75	746	1,130	100	116	346	211	165	1,140	44	86
2	37	114	553	1,610	322	146	1,090	191	166	1,340	164	40
3	35	231	356	831	407	190	1,050	205	134	1,180	311	41
4	32	156	345	578	1,360	583	459	272	125	421	237	32
5	30	146	486	570	1,940	460	512	207	120	820	96	29
6	29	120	570	362	2,190	376	1,240	170	187	649	67	263
7	376	111	1,190	210	1,889	299	1,150	159	112	283	56	95
8	906	222	1,720	100	1,200	681	470	146	97	185	50	52
9	312	505	979	164	493	832	350	262	84	147	45	41
10	125	850	1,230	150	240	487	406	271	75	122	42	36
11	94	295	1,110	150	210	378	975	575	65	131	46	34
12	85	224	634	150	180	393	487	392	64	107	46	31
13	84	104	517	148	170	391	367	205	152	98	44	23
14	72	605	456	150	175	355	295	214	123	88	35	31
15	70	1,300	364	152	220	372	260	194	79	115	32	118
16	70	619	363	152	203	323	236	291	67	118	32	59
17	64	383	299	155	160	500	222	209	61	49	32	45
18	64	254	300	158	150	1,050	213	576	57	76	31	56
19	65	225	263	186	150	1,030	231	481	57	67	28	53
20	65	937	257	510	155	475	242	325	54	63	27	43
21	63	677	253	250	150	362	192	859	[illegible]	141	27	37
22	62	329	525	245	173	294	181	711	82	104	25	34
23	62	240	570	464	150	255	179	356	92	78	25	72
24	63	209	487	1,030	137	231	253	279	65	64	24	64
25	63	196	353	493	123	216	191	224	57	56	23	53
26	66	326	334	273	124	566	260	198	52	78	21	66
27	59	1,050	361	241	114	510	304	194	58	74	21	48
28	62	1,190	242	347	110	315	600	251	190	72	34	37
29	123	382	239	250	------	280	364	422	580	65	27	35
30	182	297	216	220	------	241	268	242	415	55	29	32
31	82	------	304	200	------	273	------	187	------	47	33	------
TOTAL	3,079	12,390	16,690	12,201	13,082	12,986	13,931	9,565	3,596	8,847	1,762	1,661
MEAN	112	413	538	394	467	416	464	309	120	261	56.8	55.4
MAX	906	1,300	1,720	1,610	2,190	1,050	1,240	859	580	1,340	311	263
MIN	29	75	216	148	110	116	179	146	52	47	21	28
(†)	+0.2	+0.2	+0.3	-0.2	-0.2	+0.3	+0.2	0	+65.5	-63.9	-0.3	-0.2
(‡)	112	413	538	394	467	416	464	309	186	197	56.5	55.2
CFSM	1.13	4.16	5.42	3.97	4.71	4.19	4.68	3.11	1.88	1.99	0.57	0.56
IN	1.30	4.64	6.25	4.58	4.90	4.85	5.22	3.58	2.10	2.29	0.66	0.62

CAL YR 1972 TOTAL 119,363 MEAN 326 MAX 1,720 MIN 25 MEAN† 236 CFSM† 3.29 IN† 44.69
WTR YR 1973 TOTAL 109,364 MEAN 300 MAX 2,190 MIN 21 MEAN‡ 300 CFSM† 3.02 IN† 40.97

† Change in contents in Hall Meadow Brook and East Branch Detention Reservoirs, Lake Winchester, and Thomaston Reservoir, equivalent in cubic feet per second; reservoir records furnished by Corps of Engineers.

‡ Adjusted for change in contents.

01208012 Branch Brook near Thomaston, Conn.

LOCATION.--41°39'26", long 73°06'10", Litchfield County, on left bank 200 ft (60 m) below outlet of Black Rock Reservoir and 1.8 miles (2.9 km) southwest of Thomaston.

DRAINAGE AREA.--20.6 mi^2 (53.4 km^2).

PERIOD OF RECORD.--June 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 377.21 ft (114.974 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 585 ft^3/s (16.6 m^3/s) Feb. 6; maximum gage height, 3.87 ft (1.180 m) Dec. 7; minimum discharge, 0.7 ft^3/s (0.020 m^3/s) June 22.

Period of record: Maximum discharge, 585 ft^3/s (16.6 m^3/s) Feb. 6, 1973; maximum gage height, 3.87 ft (1.180 m) Dec. 7, 1972; minimum discharge, 0.7 ft^3/s (0.020 m^3/s) June 22, 1973.

REMARKS.--Records good. Flow regulated by Black Rock Reservoir immediately upstream and by storage by city of Waterbury in Wigwam, Morris, and Pitch Reservoirs further upstream, see p. 96.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	6.1	133	223	23	6.0	89	28	12	312	3.1	4.0
2	3.6	9.0	86	169	48	11	242	22	12	134	7.7	1.9
3	1.2	22	67	69	100	16	108	23	9.9	13	15	4.0
4	1.2	15	56	75	301	75	69	39	7.6	25	26	6.1
5	1.2	16	84	74	364	43	142	25	5.0	87	11	1.9
6	16	15	152	60	484	33	260	21	3.5	48	4.6	93
7	121	11	278	41	101	29	113	13	9.1	26	2.3	43
8	58	47	106	27	47	162	75	10	11	19	2.3	18
9	22	104	191	23	47	111	63	42	8.9	12	2.3	15
10	11	47	165	21	31	67	172	45	9.7	4.5	2.2	8.3
11	6.6	35	97	19	28	58	99	96	4.6	6.4	2.3	3.1
12	6.6	37	70	18	19	59	56	53	3.0	7.1	2.3	2.0
13	7.1	30	78	18	15	55	38	38	1.7	2.9	1.7	1.9
14	5.6	127	68	21	14	48	26	22	5.2	2.6	1.5	2.5
15	13	148	55	18	26	56	23	18	2.7	20	1.4	35
16	6.6	66	54	16	24	50	19	34	1.3	16	1.5	20
17	6.1	47	53	17	17	129	16	20	3.5	6.0	1.5	14
18	4.8	43	40	18	16	201	15	104	2.4	3.1	1.4	16
19	5.0	40	33	22	14	77	24	54	.95	2.0	1.4	16
20	5.3	143	35	49	13	59	41	44	.85	1.4	1.4	12
21	4.5	75	37	28	14	47	30	128	.85	2.1	1.4	11
22	8.6	48	78	36	18	48	23	52	1.6	6.6	1.4	10
23	7.6	42	74	107	17	41	20	23	3.1	4.9	1.5	20
24	5.6	37	66	48	15	30	29	20	8.2	2.0	1.5	16
25	5.8	34	60	33	16	31	18	16	4.6	1.8	1.2	13
26	4.2	78	58	28	14	105	31	16	1.9	5.3	1.2	12
27	4.8	161	66	32	11	72	62	20	2.0	2.8	1.2	11
28	6.1	61	51	58	5.8	39	142	37	22	2.3	1.5	10
29	18	49	41	49	------	33	69	95	52	2.5	1.7	10
30	13	42	38	31	------	30	39	37	130	2.4	1.5	9.0
31	6.1	------	62	29	------	44	------	24	------	3.0	2.8	------
TOTAL	393.4	1,635.1	2,532	1,477	1,842.8	1,865.0	2,153	1,219	341.15	783.7	109.8	439.7
MEAN	12.7	54.5	81.7	47.6	65.8	60.2	71.8	39.3	11.4	25.3	3.54	14.7
MAX	121	161	278	223	484	201	260	128	130	312	26	93
MIN	1.2	6.1	33	16	5.8	6.0	15	10	.85	1.4	1.2	1.9

CAL YR 1972 TOTAL 14,209.60 MEAN 38.8 MAX 321 MIN 1.0
WTR YR 1973 TOTAL 14,791.65 MEAN 40.5 MAX 484 MIN .85

01208420 Hop Brook near Naugatuck, Conn.

LOCATION.--Lat 41°30'21", long 73°03'31", New Haven County, on left bank 30 feet (9 m) downstream from Porter Avenue bridge at the borough of Naugatuck golf course, 400 feet (100 m) east of State Highway 63, 0.8 mile (1.3 km) downstream from Hop Brook Lake, 1.4 miles (2.3 km) north of Naugatuck, and 0.6 mile (1.0 km) upstream from mouth.

DRAINAGE AREA.--16.3 mi^2 (42.2 km^2).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 206.29 ft (62.877 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 450 ft^3/s (12.7 m^3/s) July 1; gage height, 3.80 ft (1.158 m); minimum, 0.62 ft^3/s (0.018 m^3/s) Oct. 17, 19, 20; minimum gage height, 1.22 ft (0.372 m) Oct. 13, 16, 17, 19.

Period of record: Maximum discharge, 482 ft^3/s (13.7 m^3/s) Feb. 5, 1970, gage height, 3.88 ft (1.183 m); 0.06 ft^3/s (0.002 m^3/s) Aug. 20, 23, 1970, gage height, 0.33 ft (0.101 m).

Flood of August 19, 1955, reached a discharge of 2,650 ft^3/s (75.0 m^3/s), gage height, 5.96 ft (1.817 m), by computation of peak flow by flow-through culvert method.

REMARKS.--Records good. Flow regulated by Hop Brook Lake (see p. 96).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	9.0	144	246	30	21	86	46	28	407	8.4	4.7
2	1.3	13	71	114	53	25	160	44	25	408	67	3.7
3	1.3	25	53	69	66	28	74	45	22	353	44	3.0
4	1.3	16	46	88	231	58	55	60	21	161	23	2.6
5	1.3	14	69	84	310	42	106	44	21	118	15	2.3
6	1.5	12	119	57	363	35	179	38	19	100	12	2.5
7	66	11	209	55	99	32	60	34	58	40	10	3.4
8	85	37	91	40	60	133	67	31	60	31	8.8	2.6
9	23	127	192	35	68	75	58	72	25	26	7.8	2.1
10	16	87	108	29	44	49	170	56	19	23	7.3	1.9
11	13	30	77	28	36	43	102	92	16	23	7.8	1.7
12	12	27	62	26	31	44	62	57	14	19	8.9	1.6
13	13	24	67	24	29	39	53	46	14	17	7.0	1.5
14	11	90	59	23	29	36	47	39	15	16	6.0	2.2
15	10	180	51	24	53	38	43	37	12	27	6.0	20
16	8.9	62	52	25	44	35	40	113	11	24	6.1	7.5
17	8.0	41	43	26	29	83	38	45	10	17	5.9	5.0
18	7.4	37	45	26	26	92	36	81	9.6	14	5.5	31
19	8.3	32	38	29	25	47	88	45	9.9	12	5.0	14
20	8.7	139	44	67	27	40	42	45	9.5	15	4.6	7.6
21	8.6	61	47	32	28	35	50	116	9.3	95	4.1	5.8
22	7.7	43	119	37	34	34	43	51	11	37	4.1	5.1
23	7.4	35	101	128	31	32	39	41	15	21	3.9	25
24	7.4	30	82	50	25	30	48	40	11	16	3.3	13
25	7.2	30	69	37	23	29	37	34	9.4	13	3.1	9.4
26	6.7	70	65	33	23	86	77	33	8.1	27	2.8	7.2
27	6.2	187	74	34	21	51	88	33	14	23	2.6	6.0
28	7.3	169	58	78	20	38	164	48	31	17	4.0	5.4
29	14	52	47	44	------	34	69	58	108	13	5.6	4.7
30	14	46	44	39	------	33	53	33	133	11	3.7	4.2
31	10	------	69	34	------	40	------	39	------	9.6	3.1	------
TOTAL	399.7	1,736.0	2,415	1,661	1,858	1,437	2,284	1,596	768.8	2,133.6	306.4	206.6
MEAN	12.9	57.9	77.9	53.6	66.4	46.4	76.1	51.5	25.6	68.8	9.88	6.89
MAX	85	187	209	246	363	133	179	116	133	408	67	31
MIN	1.2	9.0	38	23	20	21	36	31	8.1	9.6	2.6	1.5

CAL YR 1972 TOTAL 16,505.27 MEAN 45.1 MAX 279 MIN .86
WTR YR 1973 TOTAL 19,802.10 MEAN 46.0 MAX 408 MIN 1.2

01208500 Naugatuck River at Beacon Falls, Conn.

LOCATION.--Lat 41°26'32", long 73°03'47", New Haven County, on left bank at downstream side of bridge on Bridge Street at Beacon Falls, 0.4 mi (0.6 km) upstream from Bronson Brook, and at mile 10.1 (16.2 km).

DRAINAGE AREA.--259 mi² (671 km²).

PERIOD OF RECORD.--June 1918 to September 1924, September 1928 to September 1955 (published as "near Naugatuck"), October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 117.28 ft (35.747 m) above mean sea level. Prior to Oct. 1, 1955, water-stage recorder at site 2.5 mi (4.0 km) upstream at datum 37.89 ft (11.549 m) higher. Oct. 1, 1955, to Mar. 21, 1957, nonrecording gage at present site and datum.

AVERAGE DISCHARGE(adjusted for storage and diversion).--51 years, 1918-24, 1928-73, 478 ft³/s (13.537 m³/s), 25.06 in/yr (637 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,060 ft³/s (200 m³/s) Feb. 2, gage height, 9.34 ft (2.847 m); estimated minimum, 100 ft³/s (2.83 m³/s) Aug. 26, 27, during period of no gage-height record.

Period of record: Maximum discharge, 106,000 ft³/s (3,000 m³/s)Aug. 19, 1955, gage height, 25.7 ft (7.83 m) from floodmarks, from rating curve extended above 9,000 ft³/s (255 m³/s) on basis of slope-area measurements of peak flow at gage heights 12.4 and 25.7 ft (3.78 and 7.83 m), site and datum then in use; minimum, 24 ft³/s (0.68 m³/s) Oct. 21, 1935; minimum daily, 40 ft³/s (0.11 m³/s) Oct. 5, 12, 1930, Sept. 7, 1936; minimum gage height, present site and datum, 1.32 ft (0.402 m) Aug. 28, 1966.

Flood in November 1927 reached a stage of 14 ft (4.3 m), former site and datum, discharge, about 26,000 ft³/s (736 m³/s).

REMARKS.--Records good except those below 200 ft³/s (5.66 m³/s), which are fair. Flow regulated by Lake Winchester, Hall Meadow Brook, East Branch, Thomaston, Pitch, Morris, and Wigwam Reservoirs, Northfield Brook, Hancock Brook, and Hop Brook Lakes (see p.96), and during low flow, by industrial plants upstream. Flow increased by diversion from Shepaug Reservoir into Naugatuck River basin. Town of Watertown diverts about 0.5 mgd (0.026 m³/s) from Pomperaug River basin into Naugatuck River about 10 mi (16 km) upstream. See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194	239	1,940	3,130	602	435	1,180	843	631	2,710	211	400
2	184	264	1,550	2,770	2,260	483	2,570	765	589	2,410	673	190
3	175	293	1,110	1,910	3,520	566	2,130	772	517	1,960	639	190
4	169	293	1,020	1,540	2,820	1,020	1,830	1,020	495	1,450	737	140
5	165	290	1,280	1,580	3,170	1,090	1,940	793	476	1,750	373	130
6	164	304	2,040	1,180	3,180	913	2,350	669	429	1,480	288	1,200
7	1,480	304	2,840	700	2,630	780	2,090	606	674	841	241	450
8	1,420	1,030	2,760	600	1,040	1,860	1,470	558	565	622	224	220
9	840	1,740	2,760	540	1,450	1,860	1,200	975	383	508	212	168
10	404	1,410	2,520	500	875	1,220	2,220	1,020	347	430	206	158
11	325	908	2,040	480	753	972	2,180	1,460	319	393	238	155
12	297	687	1,510	480	665	968	1,390	1,210	289	390	205	155
13	291	551	1,330	480	567	956	1,120	922	343	320	195	147
14	264	1,590	1,260	473	623	861	942	772	422	249	160	177
15	256	2,590	1,080	484	620	919	952	680	308	500	150	433
16	262	1,590	1,080	485	700	830	746	959	271	443	150	262
17	255	925	884	500	580	1,450	754	754	246	336	150	209
18	248	774	788	509	536	2,080	708	1,360	243	245	145	564
19	257	689	771	536	539	1,710	816	1,300	241	256	130	306
20	245	2,030	822	1,150	537	1,160	981	980	239	295	125	212
21	235	1,670	844	748	554	903	735	2,120	227	841	125	179
22	222	995	1,520	704	591	799	652	1,550	278	526	115	162
23	234	773	1,860	2,220	598	714	649	1,080	349	375	115	381
24	233	675	1,320	1,500	514	647	807	911	270	280	110	276
25	241	633	1,150	1,230	467	613	677	777	243	253	105	229
26	229	2,040	1,040	785	478	1,370	1,060	709	227	395	100	197
27	213	1,720	1,200	753	445	1,320	1,470	688	292	362	100	177
28	212	1,760	1,020	1,150	418	875	1,370	866	1,210	289	100	167
29	325	1,130	848	973	------	746	1,320	1,260	1,520	260	170	157
30	301	907	769	759	------	688	968	844	2,990	240	130	146
31	261	------	1,070	721	------	775	------	848	------	232	150	------
TOTAL	10,680	30,767	43,995	31,540	32,512	31,560	34,407	30,069	15,633	21,731	6,832	7,937
MEAN	342	1,026	1,419	1,017	1,161	1,018	1,147	970	521	701	220	265
MAX	1,420	2,590	2,840	3,130	3,520	2,080	2,570	2,120	2,990	2,710	737	1,200
MIN	165	239	769	473	418	435	649	558	227	232	100	130
(†)	-29.9	-8.0	-9.4	-15.3	-20.4	-24.4	-24.0	-29.2	+88.6	-156.5	-42.2	-44.6
MEAN†	312	1,018	1,410	1,002	1,141	994	1,303	941	610	544	178	220
CFSM†	1.20	3.93	5.44	3.87	4.41	3.84	5.03	3.63	2.36	2.10	0.69	0.85
IN†	1.38	4.38	6.27	4.46	4.59	4.43	5.61	4.18	2.63	2.42	0.80	0.95

CAL YR 1972 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] MEAN† 872 CFSM† 3.37 IN† 45.83

WTR YR 1973 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] MEAN† 803 CFSM† 3.10 IN† 42.10

† Change in contents in Lake Winchester, Hall Meadow Brook, East Branch, Thomaston, Pitch, Morris, and Wigwam Reservoirs, Northfield Brook, Hancock Brook, and Hop Brook Lakes, and diversion from Shepaug Reservoir, equivalent in cubic feet per second; contents and diversion figures furnished by City of Waterbury and Corps of Engineers.

Adjusted for diversion and change in contents.

Reservoirs in Housatonic River basin

01201000. LAKE CANDLEWOOD (ROCKY RIVER RESERVOIR).--Lat 41°35'00", long 73°26'00", Litchfield County, Conn., on Rocky River, 2 miles (3 km) west of New Milford. Drainage area, 40.5 mi^2 (104.9 km^2). Usable capacity, 6,210,000,000 ft^3 (176,000,000 m^3). Records available, August 1928 to current year. Completed in 1928 for storage of water for power; impounds water pumped from the Housatonic River during off peak power periods. Records furnished by Connecticut Light and Power Company.

01201999. CAIRNS RESERVOIR (formerly published as UPPER SHEPAUG RESERVOIR).--Lat 41°44'40", long 73°18'05", Litchfield County, Conn., on West Branch Shepaug River, 2.6 miles (4.2 km) north of Woodville. Drainage area, 10.2 mi^2 (26.4 km^2). Usable capacity, 360,000,000 ft^3 (10,000,000 m^3). Records available, November 1964 to current year. Completed in 1964 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, City of Waterbury.

01202000. SHEPAUG RESERVOIR.--Lat 41°43'24", long 73°17'37", Litchfield County, Conn., on Shepaug River, 1 mile (2 km) north of Woodville. Drainage area, 38.0 mi^2 (98.4 km^2). Usable capacity, 96,100,000 ft^3 (2,720,000 m^3), of which 76,9000,000 ft^3 (2,180,000 m^3)can be diverted for municipal supply. Storage below diversion intake can be released through floodgates or through a fountain at toe of dam. Records available, January 1933 to current year. Completed in September 1933 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01203500. LAKE LILLINONAH.--Lat 41°26'52", long 73°17'49", New Haven County, Conn., on Housatonic River, and Fairfield County, Conn., 2.3 miles (3.7 km) north of Newtown. Drainage area, 1,392 mi^2 (3,605 km^2). Usable capacity above taintor gate sills, 1,756,000,000 ft^3 (49,730,000 m^3). Normal operating volume formerly called "usable capacity", 235,000,000 ft^3 (6,660,000 m^3), revised. Previously published figures of contents were those for total contents, including dead storage below taintor gate sills. Records available, January 1955 to current year. Completed in 1955 for storage of water for power. Records furnished by Connecticut Light and Power Company.

01205000. LAKE ZOAR.--Lat 41°23'00", long 73°10'18", Fairfield County, Conn., on Housatonic River at Stevenson. Drainage area 1,541 mi^2 (3,991 km^2). Usable capacity, 331,000,000 ft^3 (9,370,000 m^3). Records available, August 1928 to current year. Completed in 1919 for storage of water for power. Records furnished by Connecticut Light and Power Company.

01205560. HALL MEADOW BROOK DETENTION RESERVOIR.--Lat 41°52'10", long 73°10'04", Litchfield County, Conn., on Hall Meadow Brook in West Branch Naugatuck River basin, 5.2 miles (8.4 km) north of Torrington. Drainage area, 12.0 mi^2 (31.1 km^2). Usable capacity, 375,000,000 ft^3 (10,600,000 m^3). Records available, October 1964 to current year. Completed in 1962 by Corps of Engineers for recreation and flood control. Operated and maintained by Park and Forest Commission of Connecticut Department of Agriculture and Natural Resources. Records furnished by Corps of Engineers.

01205610. LAKE WINCHESTER.--Lat 41°54'27", long 73°09'08", Litchfield County, Conn., 1 mile (2 km) northwest of Winchester on East Branch Naugatuck River. Drainage area, 2.18 mi^2 (5.65 m^2). Usable capacity, 116,200,000 ft^3 3,290,000 m^3) based on lake survey by the Connecticut Board of Fisheries and Game. Records available, September 1965 to current year. Completed in 1926 for storage of water for power. Lake is presently used for conservation and recreation.

01205650. EAST BRANCH DETENTION RESERVOIR.--Lat 41°50'13", long 73°07'15", Litchfield County, Conn., on East Branch Naugatuck River, 2.3 miles (3.7 km) north of Torrington. Drainage area, 9.30 mi^2 (24.09 km^2). Usable capacity, 189,500,000 ft^3 (5,367,000 m^3). Records available, March 1965 to current year. Completed in 1964 by Corps of Engineers for recreation and flood control. Operated and maintained by Park and Forest Commission of Connecticut Department of Agriculture and Natural Resources. Records furnished by Corps of Engineers.

01206600. THOMASTON RESERVOIR.--Lat 41°41'41", long 73°03'44", Litchfield County, Conn., on Naugatuck River, 0.2 mile (0.3 km) downstream from Leadmine Brook, 1.5 miles (2.4 km) north of Thomaston, and at mile 31.0 (49.9 km). Drainage area, 96.1 mi^2 (248.9 km^2). Usable capacity, 1,830,000,000 ft^3 (51,800,000 m^3). Records available, January 1961 to current year. Completed in December 1960 by Corps of Engineers for flood control. Records furnished by Corps of Engineers.

01206940. NORTHFIELD BROOK LAKE.--Lat 41°40'48", long 73°05'27", Litchfield County, Conn., on Northfield Brook in Naugatuck River basin, 1 mile (2 km) northwest of Thomaston. Drainage area, 5.52 mi^2 (14.30 km^2). Usable capacity, 104,000,000 ft^3 (2,950,000 m^3). Permanent pool capacity, 3,600,000 ft^3 (100,000 m^3). Records available, September 1965 to current year. Completed in 1965 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

01207000. PITCH RESERVOIR.--Lat 41°41'34", long 73°09'04", Litchfield County, Conn., on Branch Brook in Naugatuck River basin, 4 miles (6.4 km) northwest of Thomaston. Drainage area, 5.93 mi^2 (15.36 km^2). Usable capacity, 189,000,000 ft^3 (5,350,000 m^3). Records available, October 1943 to current year. Completed in 1943 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01207500. MORRIS RESERVOIR.--Lat 41°40'29",long 73°08'39", Litchfield County, Conn., on Branch Brook in Naugatuck River basin, 3.5 miles (5.6 km) west of Thomaston. Drainage area, including Pitch Reservoir, 13.0 mi^2 (33.7 km^2) Usable capacity, 265,600,000 ft^3 (7,522,000 m^3). Records available, May 1918 to September 1924, September 1928 to current year. Completed in 1913 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01208000. WIGWAM RESERVOIR.--Lat 41°39'50", long 73°07'41", Litchfield County, Conn., on Branch Brook in Naugatuck River basin, 3 miles (5 km) west of Thomaston. Drainage area, including Pitch and Morris Reservoirs, 17.5 mi^2 (45.3 km^2). Usable capacity, 98,500,000 ft^3 (2,790,000 m^3). Records available, May 1918 to September 1924, September 1928 to current year. Completed in 1902 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

Reservoirs in Housatonic River basin--continued

01208011. BLACK ROCK LAKE.--Lat 41°39'26", long 73°06'13", Litchfield County, Conn., on Branch Brook in Naugatuck River basin, 1.8 miles (2.9 km) southwest of Thomaston. Drainage area, 20.5 mi^2 (53.1 km^2). Usable capacity, 373,000,000 ft^3 (10,600,000 m^3). Permanent pool capacity, 11,543,000 ft^3(326,900 m^3). Records available, October 1970 to current year. Completed in 1970 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

01209130. HANCOCK BROOK LAKE.--Lat 41°37'23", long 73°02'12", Litchfield County, Conn., on Hancock Brook in Naugatuck River basin, 1.1 miles (1.8 km) southwest of Hancock. Drainage area, 11.9 mi^2 (30.8 km^2). Usable capacity, 170,000,000 ft^3 (4,800,000 m^3). Permanent pool capacity, 5,700,000 ft^3(160,000 m^3). Records available, September 1965 to current year. Completed in 1965 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

01208410. HOP BROOK LAKE.--Lat 41°30'50", long 73°04'03", New Haven County, Conn., on Hop Brook in Naugatuck River basin, 1.2 miles (1.9 km) northwest of Union City. Drainage area, 16.0 mi^2 (41.4 km^2). Usable capacity, 304,000,000 ft^3 (8,610,000 m^3). Records available, February 1969 to current year. Completed in 1969 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

Month-end usable contents in millions of cubic feet, water year October 1972 to September 1973

Date	Lake Candlewood	Cairns Reservoir	Shepaug Reservoir	Lake Lillinonah	Lake Zoar	Hall Meadow Brook Detention Reservoir	Lake Winchester
Sept. 30, 1972.....	5,895	331	52.6(rev)	1,521	298.7	0.5	115.9 (rev)
Oct. 31.....	5,499	319	62.5	1,668	294.1	.7	116.2
Nov. 30.....	5,991	366	98.8	1,629	330.8	1.0	116.2
Dec. 31.....	5,871	368	97.9	1,537	294.1	1.4	116.2
Jan. 31, 1973.....	5,895	362	97.8	1,537	258.0	1.3	116.2
Feb. 28.....	5,654	361	96.2	1,613	307.9	.8	116.2
Mar. 31.....	5,943	363	98.2	1,426	312.5	---	116.2
Apr. 30.....	5,919	364	98.4	1,492	262.5	1.5	116.2
May 31.....	5,955	362	97.8	1,306	340.0	1.6	116.2
June 30.....	5,871	367	104.6	1,447	405.5	7.6	116.2
July 31.....	5,858	361	85.5	1,597	294.1	.7	116.2
Aug. 31.....	5,822	312	66.4	1,492	303.3	.6	115.6
Sept. 30.....	5,834	227	75.5	1,521	303.3	.5	115.0

Date	East Branch Detention Reservoir	Thomaston Reservoir	Northfield Brook Lake	Pitch Reservoir	Morris Reservoir
Sept. 30, 1972.....	0.1	0.2	4.7	189.2 (rev)	254.6
Oct. 31.....	.1	.3	0	189.8	249.5
Nov. 30.....	.1	.6	2.8	189.5	267.2
Dec. 31.....	.4	.6	---	189.5	268.3
Jan. 31, 1973.....	.1	.5	---	189.5	267.0
Feb. 28.....	.1	.5	2.8	189.8	258.2
Mar. 31.....	---	.8	3.2	189.8	268.3
Apr. 30.....	.2	.8	3.7	189.5	269.4
May 31.....	.2	.6	4.6	189.3	267.7
June 30.....	1.6	163	11.4	190.0	268.6
July 31.....	.1	.2	4.5	189.3	265.6
Aug. 31.....	0	.2	3.7	189.5	267.0
Sept. 30.....	.1	.2	4.6	189.8	267.2

Date	Wigwam Reservoir	Black Rock Lake	Hancock Brook Lake	Hop Brook Lake
Sept. 30, 1972.....	98.5	13.3	7.2	4.5
Oct. 31.....	98.6	13.4	8.1	7.4
Nov. 30.....	99.2	13.6	8.8	7.7
Dec. 31.....	98.9	13.6	9.2	7.8
Jan. 31, 1973.....	99.0	13.7	9.2	7.7
Feb. 28.....	98.6	13.5	8.7	7.5
Mar. 31.....	99.3	13.9	---	7.7
Apr. 30.....	99.5	13.9	8.9	7.8
May 31.....	99.2	13.6	9.0	1.4
June 30.....	103.0	57.2	16.4	90.2
July 31.....	97.9	13.3	6.3	1.0
Aug. 31.....	95.2	13.3	7.5	.9
Sept. 30.....	98.6	13.4	7.2	.9

01208925 Mill River near Fairfield, Conn.

LOCATION.--Lat 41°09'55", long 73°16'14", Fairfield County, on right bank just downstream from bridge on Duck Farm Road, 1.5 miles (2.4 km) north of Fairfield, 18.3 miles (29.4 km) downstream from headwater of Aspetuck River, 14.0 miles (22.5 km) downstream from headwater of Mill River, and 2.3 miles (3.7 km) upstream from mouth at Southport Harbor.

DRAINAGE AREA.--29.8 mi^2 (77.2 km^2).

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 15.89 ft (4.843 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 825 ft^3/s (23.4 m^3/s) June 30, gage height, 5.55 ft (1.692 m); minimum, 1.8 ft^3/s (0.051 m^3/s) Sept. 13.

Period of record: Maximum discharge, 825 ft^3/s (23.4 m^3/s) June 30, 1973, gage height, 5.55 ft (1.692 m); minimum, 1.8 ft^3/s (0.051 m^3/s) Sept. 13, 1973.

REMARKS.--Records good. Flow completely regulated by Easton, Hemlock, and Samp Mortar Reservoirs, usable capacity 609,900,000 ft^3 (17.3 hm^3), and diversions into the Hemlock Reservoir from the Aspetuck Reservoir in the Aspetuck River basin and by diversions from the Hemlock and Easton Reservoirs by the Bridgeport Hydraulic Company for water supply of the cities of Bridgeport and Fairfield.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	8.8	69	171	54	34	62	96	51	406	13	4.7
2	2.5	12	57	131	250	34	172	93	41	176	30	5.1
3	2.5	13	53	90	632	35	150	91	31	101	23	8.8
4	2.9	9.8	51	125	366	53	177	87	29	87	17	5.3
5	3.0	7.6	52	124	192	54	262	85	28	210	15	4.7
6	3.2	7.1	104	104	131	49	152	81	25	121	13	4.4
7	143	8.1	201	82	109	47	106	77	24	74	11	4.2
8	37	90	152	60	97	101	120	63	23	55	10	3.4
9	20	103	302	52	107	114	111	54	22	44	9.9	3.0
10	15	59	208	47	75	82	189	72	21	38	9.1	2.6
11	12	55	148	46	62	66	187	125	20	37	11	2.5
12	12	52	107	44	53	62	119	109	18	36	14	2.6
13	10	48	103	42	48	56	92	85	18	27	10	2.1
14	9.1	136	85	41	45	50	75	67	17	23	8.7	3.8
15	9.0	121	78	42	69	50	66	61	14	46	16	13
16	7.6	68	102	41	68	47	65	59	16	40	9.7	7.0
17	7.4	60	85	41	58	75	65	50	15	32	8.4	4.5
18	6.4	59	55	42	48	84	64	89	14	26	7.7	76
19	9.6	60	55	45	44	67	63	70	15	21	7.2	20
20	8.3	94	54	62	42	49	70	75	15	19	6.7	12
21	7.2	65	59	57	42	43	74	126	15	70	6.0	8.9
22	8.3	55	163	54	46	40	70	93	26	42	8.2	7.6
23	7.3	53	158	104	48	41	66	71	27	34	6.9	14
24	6.6	51	128	78	44	40	63	71	21	27	6.1	11
25	5.7	51	99	62	40	44	61	57	18	22	5.9	8.1
26	5.3	115	83	54	39	57	64	48	24	29	5.6	7.1
27	5.5	80	85	57	38	71	82	43	24	24	4.9	6.2
28	10	58	74	82	35	53	111	57	33	22	8.0	5.4
29	23	55	63	153	------	54	133	61	81	19	8.4	4.7
30	15	54	57	94	------	55	100	47	666	16	6.1	4.3
31	10	------	75	67	------	51	------	66	------	15	5.2	------
TOTAL	427.4	1,708.4	3,165	2,294	2,882	1,760	3,195	2,327	1,392	1,939	321.7	267.0
MEAN	13.8	56.9	102	74.0	103	56.8	107	75.1	46.4	62.5	10.4	8.90
MAX	143	136	302	171	632	114	262	126	666	406	30	76
MIN	2.5	7.1	51	41	35	34	61	43	14	15	4.9	2.1

WTR YR 1973 TOTAL 21,678.5 MEAN 59.4 MAX 666 MIN 2.1

SASCO BROOK BASIN

01208950 Sasco Brook near Southport, Conn.

LOCATION.--Lat 41°09'10", long 73°18'23", Fairfield County, on left downstream abutment of bridge on Hulls Farm Road, 1.5 mi (2.4 km) northwest of Southport.

DRAINAGE AREA.--7.27 mi² (19.83 km²).

PERIOD OF RECORD.--Occasional low-flow measurements and annual maximum, water years 1961-64. October 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 52.01 ft (15.853 m) above mean sea level. Sept. 6, 1960, to Oct. 6, 1964, crest-stage gage, Oct. 7, 1964 to June 16, 1966, water-stage recorder, and June 17, 1966, to Apr. 27, 1969, nonrecording gage and crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--9 years, 12.1 ft³/s (0.343 m³/s), 2260 in/yr (574 mm/yr).

EXTREMES.--Current year: Maximum discharge, 428 ft³/s (12.1 m³/s) June 30, gage height, 4.11 ft (1.253 m); minimum, 0.73 ft³/s (0.021 m³/s) Oct. 3-5; minimum gage height, 0.93 ft (0.283 m) Oct. 2-7.

Period of record: Maximum discharge, 1,640 ft³/s (46.4 m³/s) June 19, 1972, gage height, 7.00 ft (2.134 m); minimum, 0.01 ft³/s (<0.001 m³/s) Aug. 28, Oct. 1, 2, 6-12, 1964, Aug. 13, 14, Aug. 29 to Sept 3, 1966.

PEAK DISCHARGE.--(BASE, 100 ft³/s, revised):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	1300	2.62	120	02-02	1500	3.68	315
11-08	2130	2.66	125	04-02	0200	2.58	114
11-14	1900	3.00	180	04-04	2330	2.98	162
11-26	1430	2.51	105	04-10	1400	2.52	107
12-07	0100	2.67	127	06-30	0500	4.11	428
12-09	0500	2.63	121	07-05	1230	2.62	120
12-22	0830	2.67	127	07-21	0700	2.49	103
01-29	0330	2.60	117				

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.93	4.7	44	52	20	9.1	35	18	17	64	4.6	1.6
2	.82	6.6	29	38	180	9.5	84	22	11	26	17	1.6
3	.73	7.2	21	33	100	10	37	17	9.4	18	12	6.2
4	.73	5.6	18	66	49	30	53	21	10	19	7.8	3.2
5	.73	5.0	20	35	37	20	94	15	10	72	5.5	2.2
6	1.1	4.5	38	23	31	15	39	13	9.1	35	4.5	2.0
7	57	4.3	81	16	29	14	29	11	8.6	17	3.9	1.8
8	21	43	41	13	32	57	46	11	7.8	12	3.5	1.5
9	6.9	73	96	12	28	40	37	42	6.9	9.9	3.4	1.5
10	4.2	24	55	11	20	23	68	37	6.1	9.3	3.2	1.5
11	3.3	13	41	11	15	19	46	28	5.4	13	3.1	1.5
12	3.3	11	31	10	13	19	30	22	4.9	12	6.5	1.5
13	4.8	9.6	33	9.7	13	16	25	19	4.8	8.4	4.9	1.5
14	3.5	82	30	10	15	15	21	15	5.1	7.2	3.5	1.5
15	2.8	80	26	11	35	14	19	14	4.3	24	4.6	3.6
16	2.6	30	41	11	21	13	18	16	4.0	17	3.9	2.5
17	2.3	20	25	12	13	34	17	12	3.8	9.4	3.3	1.8
18	2.0	16	19	12	12	31	16	30	3.6	7.1	2.9	34
19	3.3	14	19	23	11	18	17	19	3.8	6.5	2.8	9.7
20	3.9	58	27	21	13	14	27	20	3.7	5.5	2.6	3.9
21	3.4	33	28	13	14	12	17	43	3.6	67	2.4	2.9
22	3.3	20	100	33	19	11	16	22	14	27	2.5	2.3
23	3.3	16	57	33	15	11	15	19	12	12	2.6	4.4
24	3.3	13	39	19	12	10	22	26	7.1	8.4	2.5	3.6
25	3.0	12	29	15	11	9.4	15	18	5.5	6.9	2.3	2.9
26	2.8	66	32	13	11	53	37	15	4.8	19	2.0	2.5
27	2.6	46	28	30	10	29	42	12	5.4	12	1.8	2.1
28	3.6	25	22	46	9.0	16	54	20	16	8.5	1.8	2.0
29	9.0	19	19	78	------	13	29	23	43	6.9	1.7	1.9
30	7.9	17	24	35	------	12	21	13	271	5.7	1.6	1.8
31	5.8	------	66	20	------	14	------	28	------	5.0	1.6	------
TOTAL	173.94	778.5	1,179	756.7	788.0	611.0	1,026	641	521.7	570.7	126.3	111.0
MEAN	5.61	26.0	38.0	24.4	28.1	19.7	34.2	20.7	17.4	18.4	4.07	3.70
MAX	57	82	100	78	180	57	94	43	271	72	17	34
MIN	.73	4.3	18	9.7	9.0	9.1	15	11	3.6	5.0	1.6	1.5
CFSM	.77	3.58	5.23	3.36	3.87	2.71	4.70	2.85	2.39	2.53	.56	.51
IN.	.89	3.98	6.03	3.87	4.03	3.13	5.25	3.28	2.67	2.92	.65	.57

CAL YR 1972 TOTAL 8,555.85 MEAN 23.4 MAX 785 MIN .73 CFSM 3.22 IN 43.78
WTR YR 1973 TOTAL 7,283.84 MEAN 20.0 MAX 271 MIN .73 CFSM 2.75 IN 37.27

01208990 Saugatuck River near Redding, Conn.

LOCATION.--Lat 41°17'40", long 73°23'44", Fairfield County, on downstream side of bridge on State Highway 53, 100 ft (30 m) south of intersection of State Highways 53 and 107, 0.8 mi (1.3 km) upstream from Saugatuck Reservoir, and 1.0 mi (1.6 km) southwest of Redding.

DRAINAGE AREA.--20.8 mi^2 (53.9 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1961-64, and annual maximum, water years 1962-64. October 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 285.42 ft (86.996 m) above mean sea level. Nov. 7, 1961, to Oct. 4, 1964, crest-stage gage, Oct. 1, 1964 to Apr. 25, 1966, water-stage recorder, and Apr. 26, 1966 to Sept. 30, 1969, nonrecording gage and crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--9 years, 37.5 ft^3/s (1.062 m^3/s), 24.48 in/yr (622 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,330 ft^3/s (37.7 m^3/s) Feb. 2, gage height, 4.97 ft (1.515 m); minimum, 1.2 ft^3/s (0.034 m^3/s) Sept. 13, gage height, 1.04 ft (0.317 m).

Period of record: Maximum discharge, 2,160 ft^3/s (61.2 m^3/s) Mar. 25, 1969, gage height, 5.88 ft (1.792 m); minimum observed, 0.05 ft^3/s (0.001 m^3/s) Sept. 2, 1966, gage height, 0.66 ft (0.201 m).

PEAK DISCHARGE.--(BASE, 180 ft^3/s, revised):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	1330	2.93	197	01-23	0330	2.89	186
11-08	1730	3.23	284	02-02	2100	4.97	1,330
11-14	1500	3.03	224	04-02	0030	2.92	194
11-26	1000	3.32	314	04-04	1930	3.25	290
12-01	0630	2.92	194	04-10	0800	3.39	346
12-06	2000	3.12	251	06-30	0400	4.10	700
12-09	0030	3.09	242				

REMARKS.--Records good except those for January, which are fair. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	13	176	138	188	36	90	69	56	140	7.8	4.1
2	2.2	16	129	107	359	36	168	65	45	99	37	3.9
3	1.9	22	108	92	717	36	133	46	39	61	47	3.1
4	1.7	18	92	110	387	52	162	88	43	84	34	2.8
5	1.6	17	97	110	249	47	209	69	39	99	22	2.5
6	1.6	23	144	91	195	42	157	68	35	88	16	2.8
7	106	23	175	80	162	41	131	51	33	54	13	2.6
8	90	114	162	60	142	87	146	46	30	41	11	2.1
9	42	172	213	55	132	76	122	95	26	39	9.4	1.9
10	30	127	169	50	106	63	233	79	22	37	8.2	1.7
11	21	94	143	47	94	57	196	91	19	29	39	1.6
12	16	75	122	45	96	55	155	87	16	25	31	1.3
13	13	59	117	45	74	48	129	84	17	21	16	1.2
14	11	139	102	45	68	50	110	66	19	18	12	1.6
15	9.5	170	93	47	84	49	96	61	14	29	11	7.4
16	9.2	138	103	50	82	45	86	68	13	25	10	5.2
17	8.7	106	89	55	50	78	77	55	12	18	9.0	3.3
18	7.8	87	79	60	45	84	67	85	11	14	8.0	3.1
19	8.3	74	64	80	40	73	63	64	12	12	7.3	3.4
20	9.3	145	76	58	41	62	64	70	11	12	6.5	2.8
21	7.9	112	79	53	42	55	55	96	11	38	5.9	2.5
22	7.6	92	147	67	46	51	51	77	17	31	6.0	2.1
23	8.4	76	142	139	47	46	47	72	23	20	5.5	4.4
24	10	66	128	97	42	42	51	72	15	16	4.9	4.9
25	9.4	60	109	77	34	40	43	62	12	13	4.6	3.8
26	7.8	213	99	66	38	97	99	58	11	20	4.3	3.3
27	6.5	180	103	70	36	78	112	51	11	17	4.0	2.9
28	11	149	90	111	36	65	122	68	64	14	3.8	2.5
29	31	122	78	102	------	57	98	85	71	11	3.6	2.4
30	22	105	70	143	------	51	83	78	329	9.7	3.3	2.6
31	16	------	103	108	------	50	------	75	------	9.0	3.1	------
TOTAL	530.9	2,887	3,601	2,458	3,552	1,749	3,355	2,213	1,076	1,128.7	404.2	89.8
MEAN	17.1	93.6	116	79.3	127	56.4	112	71.4	35.9	36.4	13.0	2.99
MAX	106	213	213	143	717	97	233	96	329	140	47	7.4
MIN	1.6	13	64	45	34	36	43	46	11	9.0	3.1	1.2
CFSM	.82	4.50	5.58	3.81	6.11	2.71	5.38	3.43	1.73	1.75	.63	.14
IN.	.95	5.02	6.44	4.40	6.35	3.13	6.00	3.96	1.92	2.02	.72	.16

CAL YR 1972 TOTAL 24,306.6 MEAN 66.4 MAX 612 MIN 1.4 CFSM 3.19 IN 43.47
WTR YR 1973 TOTAL 22,984.6 MEAN 62.9 MAX 717 MIN 1.2 CFSM 3.02 IN 41.07

01209700 Norwalk River at South Wilton, Conn.

LOCATION.--Lat 41°09'49", long 73°25'11", Fairfield County, on right bank at upstream side of bridge on Kent Road at South Wilton, 2.5 mi (4.0 km) north of Norwalk.

DRAINAGE AREA.--30.0 mi² (77.7 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1961-62. September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 115.69 ft (35.262 m) above mean sea level.

AVERAGE DISCHARGE.--11 years, 49.1 ft³/s (1.391 m³/s) 22.23 in/yr (565 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,090 ft³/s (59.2 m³/s) Feb. 3, gage height, 4.69 ft (1.430 m); minimum, 3.3 ft³/s (0.093 m³/s) Sept. 12, 13, 14, gage height, 1.18 ft (0.360 m).

Period of record: Maximum discharge, 2,220 ft³/s (62.9 m³/s) June 19, 1972, gage height, 4.79 ft (1.460 m); minimum, 0.3 ft³/s (0.008 m³/s) Sept 24, 1964, gage height, 0.82 ft (0.250 m).

Flood of October 1955 reached a stage of 13.5 ft (412 m) from floodmarks.

PEAK DISCHARGE.--(BASE, 300 ft³/s, revised):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-07	1300	2.76	430	12-22	1100	2.56	330
11-08	2200	2.87	492	02-03	0200	4.69	2,090
11-14	1800	3.00	570	04-02	0700	2.53	315
11-20	0900	2.53	315	04-04	2200	2.90	510
11-26	1400	2.90	510	04-10	1300	2.94	534
12-09	----	Unkn	Unkn	06-30	1000	3.85	1,250

REMARKS.--Records excellent except those for December, which are good. Occasional regulation at low flow by mill upstream. City of Norwalk diverts an indeterminable amount of water from Streets (Popes) Pond, drainage area 2.36 mi² (6.11 km²), revised.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	23	235	230	74	35	129	114	73	207	11	6.2
2	4.0	26	168	166	570	38	272	104	64	124	51	6.2
3	3.9	29	137	126	1,100	43	211	111	48	78	65	9.3
4	3.7	24	113	169	441	98	254	137	41	127	75	6.5
5	3.5	22	119	159	272	82	338	110	41	149	58	6.3
6	3.7	20	190	126	203	70	225	91	42	101	29	4.7
7	203	19	220	88	193	64	175	78	31	60	19	4.5
8	139	164	210	70	162	175	206	74	19	40	15	4.1
9	107	266	270	66	164	144	180	174	17	31	13	3.9
10	58	175	220	57	117	113	362	164	22	26	12	3.8
11	30	126	180	53	103	105	296	151	19	26	13	3.6
12	22	100	160	49	91	102	212	129	18	24	49	3.4
13	19	81	150	44	77	77	170	115	18	20	37	3.3
14	15	269	130	42	74	88	145	93	21	17	24	4.8
15	14	203	120	44	132	73	129	89	17	46	20	8.8
16	13	180	130	45	112	69	119	92	16	36	16	7.6
17	12	140	120	46	93	113	109	81	15	23	14	6.4
18	11	111	100	48	70	119	106	118	14	18	13	13
19	12	98	86	52	61	112	115	95	14	16	12	7.5
20	13	221	108	87	63	98	122	111	15	15	12	6.0
21	12	152	108	60	63	75	102	165	19	68	11	5.5
22	12	122	251	61	85	71	96	127	19	52	11	4.9
23	11	96	224	171	77	58	96	104	13	33	10	7.8
24	10	85	188	122	63	40	100	108	16	22	9.7	6.7
25	10	79	150	88	53	45	83	98	15	17	8.9	6.4
26	9.6	306	129	71	45	147	148	82	13	30	8.5	6.1
27	9.1	249	135	83	40	121	196	75	13	24	7.4	5.8
28	17	186	115	154	38	91	229	186	95	19	7.0	5.2
29	54	141	100	142	------	85	163	107	78	16	7.2	4.6
30	40	121	91	108	------	79	129	91	642	13	6.0	4.4
31	31	------	144	88	------	78	------	86	------	12	6.5	------
TOTAL	907.4	3,922	4,793	2,935	4,628	2,684	5,216	3,372	1,489	1,482	644.8	177.3
MEAN	29.3	131	155	94.7	165	86.6	174	109	49.6	47.8	20.8	5.91
MAX	203	306	270	230	1,100	175	362	174	642	207	75	13
MIN	3.5	19	90	42	38	35	83	74	13	12	6.5	3.3
CFSM	.98	4.37	5.17	3.16	5.50	2.89	5.80	3.63	1.65	1.59	.69	.20
IN.	1.13	4.86	5.94	3.64	5.74	3.33	6.47	4.18	1.85	1.84	.80	.22

CAL YR 1972 TOTAL 34,203.3 MEAN 94.0 MAX 1,350 MIN 3.3 CFSM 3.30 IN 44.89
WTR YR 1973 TOTAL 32,250.5 MEAN 88.4 MAX 1,100 MIN 3.3 CFSM 2.95 IN 39.99

01209788 Stamford Hurricane Barrier at Stamford, Conn.

LOCATION.--Lat 41°02'13", long 73°32'06", Fairfield County, at control tower of U.S. Army Corps of Engineers hurricane barrier, near Woodland Cemetery, at South end of Stamford, in Long Island Sound.

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft (3.048 m) below mean sea level. Gage-height record converted to elevation above or below (-) mean sea level for publication.

REMARKS.--Stage data in feet at 15 minute intervals available upon request.

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation	7.15	7.28	7.65	6.23	6.51	6.35	6.27	6.01	9.12	6.61	5.87	6.26
high tide	Date	7	20	22	29	15	17	4	3	13	1	15	15
	Time	1100	0900	1215	0715	0845	2200	2330	2315	2145	2330	1145	1215
Minimum	Elevation	-4.23	-4.16	-6.78	-5.41	-4.28	-4.36	-4.61	-4.36	-3.72	-4.23	-3.97	-3.78
low tide	Date	22	21	17	20	19	18	6	4	29	2	27	26
	Time	1700	1745	1430	1900	0630	1715	0715	0630	0400	0645	0415	1730

NOTE.--Time shown is eastern standard.

As the number of streams on which streamflow is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood-flow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations and the second is a table of annual maximum stage and discharge at crest-stage stations.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. These measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1973

Station No.	Station name	Location	Drainage area (sq mi.)	Period of record	Measurements	
					Date	Discharge (cfs)
		Pawcatuck River basin				
1183.5	Green Fall River at Clarks Falls	Lat 41°27'17", long 71°48'52", at bridge on State Highway 216 at Clarks Falls.	19.8	1961-73	9-13-73	4.8
1184	Shunock River near No. Stonington	Lat 41°24'36", long 71°50'43", at bridge on State Highway 49, 2.5 miles southeast of No. Stonington.	17.2	1961-73	9-13-73	6.6
		Mystic River basin				
1187	Whitford Brook at Old Mystic	Lat 41°23'41", long 71°57'40", at bridge on State Highway 184, at Old Mystic.	14.8	1961-73	9-13-73	1.8
*1187.5	Haleys Brook near Old Mystic	Lat 41°23'20", long 71°59'11", at bridge on Packer Road, 1.2 miles west of Old Mystic.	4.37	1962-65 1967 1969-73	6-7-73	4.8
		Thames River basin				
*1192.55	Delphi Brook near Staffordville	Lat 42°01'23", long 72°14'53", at bridge on State Highway 19, 2.1 miles northeast of Staffordville.	2.59	1962-73	5-3-73	6.2
*1193	Roaring Brook near Staffordville	Lat 41°59'05", long 72°13'48", at abandoned bridge beside Bradway Road, 1.7 miles east of Staffordville.	5.61	1960-73	9-4-73	1.3
*1193.6	Conat Brook at West Willington	Lat 41°52'17", long 72°17'31", at bridge on Sharps Hill Road, 0.5 mile southeast of W. Willington.	2.40	1963-73	5-2-73	7.5
*1198.2	Skungamaug River at W. Coventry	Lat 41°47'32", long 72°21'20", at bridge on State Highway 31, 1.0 mile southeast of W. Coventry.	24.7	#1962-64 1965-70 #1971-73	5-31-73	60
*1200	Hop River near Columbia	Lat 41°43'39", long 72°18'10", 1,500 ft downstream from Hop River village, near Columbia.	74.0	#1933-71 1972-73	6-5-73	88
1202	Tenmile River near Willimantic	Lat 41°42'25", long 72°14'52", at bridge on Kingsley Road, 2 miles west of Willimantic.	16.3	1962-73	9-11-73	3.6
1206	Still River at Phoenixville	Lat 41°52'08", long 72°05'08", at bridge on U.S. Highway 44, at Phoenixville.	31.8	1962-73	8-20-73	5.5

Continuous-record station.

* Also a crest-stage station

Discharge measurements made a low-flow partial-record stations during water year 1973

Station No.	Station name	Location	Drainage area (sq mi.)	Period of Record	Measurements DATE	Measurements Discharge (cfs)
		Thames River basin--Continued				
1207	Bigelow Brook at Phoenixville	Lat 41°52'45", long 72°06'01", at bridge on U.S. Highway 44, 0.8 mile west of Phoenixville.	22.0	1961-73	8-28-73	1.6
1208.5	Natchaug River at North Windham	Lat 41°45'10", long 72°09'19", at bridge on Bedlam Road, at North Windham.	83.9	1962-64 1966-73	9-11-73	30
1209.2	Mt. Hope River at Westford	Lat 41°55'12", long 72°10'47", at bridge on State Highway 89, 0.2 mile west of Westford.	3.16	1962-73	8-28-73	0.34
1209.8	Knowlton Brook at West Ashford	Lat 41°51'08", long 72°11'23", at bridge on US Highway 44A, 0.6 mile southwest of West Ashford.	6.00	1962-64 1967-73	8-28-73	0.82
*1213	Fenton River at East Willington	Lat 41°52'20", long 72°14'31", at bridge on U.S. Highway 44, at East Willington.	11.4	1961-73	5-31-73	25
1213.5	Fenton River at Gurleyville	Lat 41°48'52", long 72°13'33", at bridge on Gurleyville Road, 0.2 mile west of Gurleyville.	24.0	1962-64 1966-73	8-28-73	6.2
*1226.8	Merrick Brook near Scotland	Lat 41°43'44", long 72°05'00", by Brook Street, 2.1 miles north of Scotland.	5.21	1964-73	6-4-73	4.2
1228	Beaver Brook at Baltic	Lat 41°37'07", long 72°06'16", at bridge on La Croix Road, 1 mile west of Baltic.	9.55	1962-64 1967-73	9-12-73	4.0
*1253	English Neighborhood Brook at North Woodstock	Lat 41°59'27", long 71°59'51", at bridge on State Highway 93 at North Woodstock.	4.66	1961-73	5-22-73	14
*1256	Mashamoquet Brook at Abington	Lat 41°52'27", long 72°00'35", at bridge on Taft Pond road, 1 mile north of Abington.	11.1	1961-62 #1963 1964-73	5-2-73	25
*1256.5	Wappoquia Brook near Pomfret	Lat 41°51'57", long 71°57'30", at bridge on Day Road, 2 miles south of Pomfret.	4.21	1961-73	6-13-73	1.7
1258	Five Mile River near E. Thompson	Lat 41°59'11", long 71°48'57", at bridge on Spicer Road, 1.5 miles south of East Thompson.	10.7	1961-73	8-29-73	4.7
*1259	Cady Brook at East Putnam	Lat 41°54'32", long 71°49'11", at bridge on East Putnam Road, 0.3 mile south of East Putnam.	8.29	1961-73	5-22-73	28
*1265	Moosup River at Moosup	Lat 41°42'37", long 71°53'11", at Kaman Aircraft Corp. at Moosup.	83.6	#1933-71 1972-73	9-10-73	37
*1267	Kitt Brook near Canterbury	Lat 41°40'50", long 71°58'42", at bridge on Mudhole (Elmdale) Road, 1.2 miles south of Canterbury.	11.1	1961-73	6-4-73	11
1269.23	Denison Brook at Voluntown	Lat 41°34'20", long 71°51'23", at ruins of Old Collins Dam, 0.2 mile upstream from State Highway 165, 0.5 mile east of Voluntown.	4.07	#1962-63 1964 1966-73	9-17-73	4.4
*1271	Broad Brook near Preston City	Lat 41°33'14", long 71°58'15", at bridge on State Highway 164, 1.8 miles north of Preston City.	12.5	1961-65 1967-73	6-3-73	14

* Also a crest-stage station
\# Continuous-record station.

Discharge measurements made at low-flow partial-record stations during water year 1973

Station No.	Station name	Location	Drainage area (sq mi.)	Period of Record	Measurements DATE	Measurements Discharge (cfs)
		Thames River basin--Continued				
1272	Bartlett Brook near Colchester	Lat 41°35'13", long 72°15'24", at bridge on Foot Road, 3.5 miles east of Colchester.	13.5	1961-64 1966-73	9-11-73	1.6
*1274	Susquetonscut Brook at Yantic	Lat 41°34'15", long 72°08'01", at bridge on State Highway 87, 1 mile northwest of Yantic.	15.7	1961-73	6-5-73	13
*1277	Trading Cove Brook near Thamesville	Lat 41°20'03", long 72°06'59", at culvert on Conn. Turnpike, 1.5 miles west of Thamesville, and 3 miles southwest of Norwich.	8.57	1963-73	6-7-73	13
*1277.6	Hunts Brook at Quaker Hill	Lat 41°24'06", long 72°07'16", at bridge on Old Norwich Road, at Quaker Hill.	11.5	1963-73	8-16-73	69
		Niantic River basin				
1277.9	Latimer Brook at East Lyme	Lat 41°22'00", long 72°12'18", at culvert on U.S. Interstate Highway 95, at East Lyme.	a13.8	1962-73	9-13-73	3.2
		Fourmile River basin				
*1278	Fourmile River near East Lyme	Lat 41°21'29", long 72°15'40", at bridge on Stones Ranch Road, 2.5 miles west of East Lyme.	4.30	1961-73	6-6-73	3.2
		Connecticut River basin				
1939.8	Freshwater Brook near Hazardville	Lat 42°00'29", long 72°32'33", at bridge on North Maple Street, 1.5 miles north of Hazardville.	4.34	1963-73	8-28-73	0.36
*1939.9	Jawbuck Brook near Hazardville	Lat 42°00'24", long 72°33'14", at culvert on Shaker Road, 1.5 miles north of Hazardville.	2.16	1963-73	6-11-73	2.9
*1941	Stony Brook near West Suffield	Lat 41°57'38", long 72°42'39", at bridge on South Grand Street, 2.1 miles south of West Suffield.	10.2	1960-73	5-3-73 5-14-73	16 1.7
1942.08	Philo Brook near Suffield	Lat 42°00'59", long 72°39'19", at bridge on Halliday Avenue, 2.3 miles north of Suffield.	4.20	1963-65 1967-73	8-29-73	0.49
1942.1	Clay Brook near Suffield	Lat 41°59'54", long 72°39'12", at bridge on Russell Avenue, 1.1 miles north of Suffield.	.75	1963-73	8-29-73	0.00
1942.58	Waterworks Brook near Windsor Locks	Lat 41°54'24", long 72°38'11", at culvert on South Street, 1.6 miles south of Windsor Locks.	.80	1967-73	8-29-73	0.97
*1942.6	Hammick Brook near Warehouse Point	Lat 41°54'13", long 72°36'47", at bridge on U.S. Highway 5, 1.7 miles south of Warehouse Point.	2.60	1963-73	8-27-73	0.17
1942.9	Watchaug Brook near North Somers	Lat 42°01'45", long 72°29'16", at twin culverts on Watchaug Road, 1.1 miles west of North Somers.	8.55	1963-64 1966-73	8-29-73	1.6
*1943	Gillette Brook at Somers	Lat 41°59'30", long 72°26'05", at twin culverts on Battle Street, 0.7 mile northeast of Somers.	3.64	1965-67 #1968-69 1970-73	5-3-73	0.8
1944	Muckhock Brook near Melrose	Lat 41°57'03", long 72°32'22", at bridge on Abbe Road, 1.2 miles northwest of Melrose.	4.36	1961-73	8-29-73	1.87

a Effective drainage area; does not include 4.7 sq mi above Barnes Reservoir and Bogue Brook Reservoir
* Also a crest-stage station
# Continuous-record station

Discharge measurements made at low-flow partial-record stations during water year 1973

Station No.	Station name	Location	Drainage area (sq mi.)	Period of Record	Measurements DATE	Measurements Discharge (cfs)
		Connecticut River Basin--Continued				
1844.5	Broad Brook at Ellington	Lat 41°54'48", long 72°28'36", at bridge on Jobs Hill Road 0.6 mile north of Ellington.	5.72	1963-73	8-29-73	3.6
*1845	Scantic River at Broad Brook	Lat 41°54'42", long 72°33'49", upstream from bridge on State Highway 191, at Broad Brook.	98.2	#1929-71 1972-73	8-27-73	4.3
1869.2	Still River at Winsted	Lat 41°55'07", long 72°03'30", just upstream from mouth of Mad River and 200 ft upstream from bridge on U.S. highway 44 at Winsted.	9.94	1969-73	8-28-73	2.4
*1881	Roaring Brook at Unionville	Lat 41°49'24", long 72°52'59", at bridge on State Highway 4, at Unionville.	7.60	1961-73	6-26-73	7.6
1893	East Branch Salmon Brook at North Granby	Lat 42°00'02", long 72°50'03", at bridge on Silver Street, 0.4 mile north of North Granby.	12.4	1961-65 1967 1969-73	8-30-73	4.8
1894	West Branch Salmon Brook at West Granby	Lat 41°54'28", long 72°50'06", at bridge on Simsbury Road, 1 mile south of West Granby.	15.7	1961-65 1967 1969-73	8-30-73	3.3
1900.3	Meadow Brook at Wilson	Lat 41°49'21", long 72°39'47", at footbridge 500 ft upstream from U.S. Interstate Highway 91 at Wilson.	3.15	1963-65 1967-73	8-10-73	1.08
*1900.5	Podunk River at Wapping	Lat 41°49'36", long 72°33'52", at bridge on State Highway 30, 0.5 mile west of Wapping.	4.34	1961-73	6-11-73 6-25-73	3.6 7.2
*1901	Piper Brook at Newington Junction	Lat 41°42'43", long 72°44'15", at bridge on Willard Avenue at Newington Junction.	14.6	#1959-71 1972-73	6-28-73	15
*1902	Mill Brook at Newington	Lat 41°42'16", long 72°43'34", at bridge on Dowd Street, 0.5 mile north of Newington.	2.65	#1959-71 1972-73	6-18-73	1.6
*1919	Charter Brook near Crystal Lake	Lat 41°54'22", long 72°24'15", at bridge on Browns Bridge Road, 2 miles southwest of Crystal Lake.	8.51	1961-73	6-11-73	4.8
1926.4	Cold Brook near East Glastonbury	Lat 41°39'49", long 72°32'25", at bridge on Hollister Street, 2.1 miles south of East Glastonbury.	5.81	1967-73	8-13-73	4.7
1926.7	Goff Brook at South Wethersfield	Lat 41°41'21", long 72°39'32", at bridge on Maple Street, 0.4 mile west of South Wethersfield.	5.13	1963-64 1966-73	8-10-73	1.5
*1928	Parmales Brook near Durham	Lat 41°27'08", long 72°42'08", at bridge on Sawmill Road, 2 miles southwest of Durham.	2.79	1961-73	6-6-73	2.9
*1931.2	Sunset Brook near Higganum	Lat 41°28'45", long 72°33'28", at bridge on Skinner Road, 1.2 miles south of Higganum.	5.72	1962-73	6-6-73	9.3
1931.3	Candlewood Hill Brook near Higganum	Lat 41°28'26", long 72°35'49", at bridge on Wiese Albert Road, 2.5 miles southwest of Higganum.	3.84	1961-66 1968-73	9-24-73	1.58
1932.1	Raymond Brook near Ameton	Lat 41°30'22", long 72°29'35", at bridge on State Highway 207, 1 mile north of Ameton.	3.52	1961-66 1967-73	9-11-73	0.44
*1932.5	Judd Brook near Colchester	Lat 41°35'55", long 72°21'12", at bridge on Colchester Road, 2 miles northwest of Colchester.	3.93	1962-73	6-6-73	5.5
*1936.5	Roaring Brook at Hopewell	Lat 41°39'50", long 72°34'55", at bridge on Matson Hill Road at Hopewell.	24.3	1962-71 1973	8-13-73	20

*Also a crest-stage station

#Continuous record-station

Discharge measurements made at low-flow partial-record stations during water year 1973

Station No.	Station name	Location	Drainage area (sq mi.)	Period of Record	Measurements Date	Measurements Discharge (cfs)
		Connecticut River basin--Continued				
*1933	Blackledge River near Gilead	Lat 41°41'46", long 72°27'22", at bridge on State Highway 94, 3 miles west of Gilead, and 4 miles east of Buckingham.	6.75	960-73	6-29-73	15
1936	Flat Brook near East Hampton	Lat 41°33'18", long 72°27'10", at culvert on State Highway 16, 3 miles southeast of East Hampton.	2.31	1961-64 1967-73	9-12-73	0.36
*1940	Eightmile River at North Plain	Lat 41°26'30", long 72°20'00", at bridge on State Highway 82, at North Plain.	20.1	#1937-66 1967-73	6-6-73	32
		Indian River basin				
1951	Indian River near Clinton	Lat 41°18'21", long 72°31'54", at bridge on Hurd Bridge Road, 2 miles north of Clinton.	5.64	1961-67 1969-73	8-9-73	1.6
		Farm River basin				
1954	Farm River at Totoket	Lat 41°19'40", long 72°48'58", at bridge on State Highway 80, at Totoket.	13.4	1961-65 1967 1969-73	7-31-73	8.1
		Mill River basin				
*1966	Willow Brook near Cheshire	Lat 41°27'35", long 72°55'06", at bridge on Mt. Sanford Road, at corner of Harrison Avenue, 2.5 miles south of Cheshire.	9.09	1961-69 1971-73	8-30-73	7.7
		Wepawaug River basin				
*1967	Wepawaug River at Milford	Lat 41°14'10", long 73°03'32", at bridge on Walnut Street, at Milford.	18.4	1962-73	7-5-73	53
		Housatonic River basin				
*1985	Blackberry River at Canaan	Lat 42°01'26", long 73°20'32", at bridge on U.S. Highway 44, at Canaan.	45.9	#1949-71 1972-73	6-25-73	28
*1991.5	Furnace Brook at Cornwall Bridge	Lat 41°49'06", long 73°22'11", at bridge on State Highway 4, 0.2 mile from mouth, at Cornwall Bridge.	13.3	1961-73	6-25-73	8.8
1993	Macedonia Brook at Kent	Lat 41°43'42", long 73°29'16", at bridge on State Highway 341, 0.5 mile west of Kent.	17.2	1959 1961-64 1966-73	8-28-73	1.5
2011	East Aspetuck River near New Milford	Lat 41°35'33", long 73°25'17", at bridge on Wells Road, 1 mile north of New Milford.	25.1	1959 1961-73	8-28-73	6.6
2014	Miry Brook near Ridgebury	Lat 41°22'03", long 73°29'45", at bridge on private road from Miry Brook Road to Wooster School near west end of Danbury airport, 1.5 miles northeast of Ridgebury.	3.74	1961-73	9-21-73	0.84
*2015.1	Still River at Lanesville	Lat 41°32'12", long 73°25'04", 0.9 mile upstream from mouth, at Lanesville.	69.6	b1931-66 #1967-71 1972-73	9-21-73	35
*2018.9	Pond Brook near Hawleyville	Lat 41°27'22", long 73°20'07", at bridge on Pond Brook Road, 2 miles northeast of Hawleyville.	11.9	1963-73	6-4-73 9-21-73	18 12.0
2026	Bantam River near Litchfield	Lat 41°47'30", long 73°11'40", at bridge on Weed Road, 3 miles north of Litchfield.	8.60	1961-62 1964-73	8-30-73	2.3
*2027	Butternut Brook near Litchfield	Lat 41°44'35", long 73°13'14", at bridge on Ripley Road, 1.5 miles west of Litchfield.	2.42	1960-63 1965-73	1-25-73 -29-73 9-21-73	3.1 7.3 .34

* Also a crest-stage station
\# Continuous-record station
b Continuous-record station at site 2015, 2 miles upstream; drainage area 67.5 sq mi.

Discharge measurements made at low-flow partial-record stations during water year 1973

Station No.	Station name	Location	Drainage area (sq mi.)	Period of Record	Measurements DATE	Measurements Discharge (cfs)
		Housatonic River basin--Continued				
*2030	Shepaug River near Roxbury	Lat 41°32'59", long 73°19'49", at Wellers Bridge, 1.2 miles southwest of Roxbury.	132	#1931-71 1972-73	9-4-73	28
*2031	Jacks Brook near Roxbury Falls	Lat 41°31'39", long 73°18'32". at bridge on River Road, 1.2 miles north of Roxbury Falls.	7.90	1960-73	6-12-73 9-21-73	5.0 1.8
*2037	Wood Creek near Bethlehem	Lat 41°37'38", long 73°13'34", at bridge on State Highway 132, 1.2 miles southwest of Bethlehem.	3.39	1961-73	7-23-73 9-21-73	3.0 1.4
2037.5	Weekeepeemee River at Hotchkissville	Lat 41°34'35", long 73°13'35", at bridge on Paper Mill Road, 0.8 mile northwest of Hotchkissville.	15.2	1965-73	8-29-73	5.8
2038	Sprain Brook at Hotchkissville	Lat 41°34'10", long 73°13'36", at bridge on State Highway 47, 0.5 mile west of Hotchkissville.	10.7	1965-73	8-29-73	5.0
2039	Bullet Hill Brook at Southbury	Lat 41°28'44", long 73°12'58", at bridge on U.S. Highway 6 & 202, at Southbury.	3.21	1961-73	8-29-73	2.5
2044	Transylvania Brook at South Britain	Lat 41°28'20", long 73°15'29", at bridge on East Flat Hill Road, at mouth, 0.3 mile west of South Britain.	7.51	1965-73	8-28-73	1.8
2055.55	Hall Meadow Brook near Winchester	Lat 41°53'10", long 73°10'12", 150 feet upstream from bridge on Old State Highway 49, 1.2 miles upstream from Hall Meadow Brook Dam, 2 miles southwest of Winchester.	10.6	1965-73	8-28-73	3.2
2069.5	Northfield Brook at Thomaston	Lat 41°40'14", long 73°04'54", at Bridge Street, 0.5 mile west of Thomaston.	6.35	1961-66 1968-73	8-29-73	0.72
*2081	Hancock Brook near Terryville	Lat 41°39'40", long 73°00'12", at bridge on Waterbury Road, at corner of South Main Street, 1.1 mile south of Terryville.	1.18	1960-73	8-30-73	o.16
*2084	Hop Brook near Middlebury	Lat 41°31'25", long 73°05'38", at bridge on Shaddock Road, 1.5 miles east of Middlebury.	9.43	1961-73	8-30-73	1.9
2086	Bladens River near Seymour	Lat 41°23'58", long 73°03'09", at bridge on Chatfield Street, 1 mile east of Seymour.	9.98	1957 1961-69 1971-73	7-31-73	6.8
*2087	Little River at Oxford	Lat 41°26'03", long 73°07'03", at bridge on Governor Hill Road, at Oxford.	4.54	1961-69 1971-73	8-30-73	1.25
		Pequonnock River basin				
*2088.5	Pequonnock River at Trumbull	Lat 41°14'49", long 73°11'52", on upstream side of bridge on Daniels Farm Road at Trumbull, 4.6 miles north of Bridgeport.	c11.8	1962-64 #1965-66 1967-73	7-6-73	90
		Ash Creek basin				
2088.7	Rooster River at Bridgeport	Lat 41°10'57", long 73°13'06", at bridge on State Highway 59, 1 mile west of center of Bridgeport.	9.63	1964-66 1968-73	7-30-73	7.2

* Also a crest-stage station
\# Continuous-record station
c Effective drainage area; does not include 3.8 sq mi from which entire flow is diverted into Easton Reservoir.

Discharge measurements made at low-flow partial-record stations during water year 1973

Station No.	Station name	Location	Drainage area (sq mi.)	Period of Record	Measurements DATE	Measurements Discharge (cfs)
		Mill River basin				
*2089	Patterson Brook near Easton	Lat 41°17'16", long 73°17'33", at culvert on State Highway 59, 2.5 miles north of Easton.	1.21	1961-65 1967-73	7-5-73 9-21-73	17 .45
		Saugatuck River basin				
2090.95	Aspetuck River near Easton	Lat 41°15'33", long 73°19'30", at bridge on on Silver Hill Road, 1.5 miles northwest of Easton.	14.0	1964-66 1968-73	7-25-73 9-21-73	7.5 2.3
2093	West Branch Saugatuck River at Weston	Lat 41°11'56", long 73°23'25", at bridge on Cedar Road, 0.5 mile west of Weston.	9.12	1961-66 1968-73	7-11-73	7.1
		Norwalk River basin				
2095.5	Ridgefield Brook near Ridgefield	Lat 41°18'56", long 73°28'48", at bridge on State Highway 35, 2.5 miles northeast of Ridgefield.	3.71	1964-66 1968-73	8-8-73	1.3
*2096	Comstock Brook at North Wilton	Lat 41°12'45", long 73°27'31", at bridge on Nod Hill Road, at North Wilton.	3.53	1961-65 1967-73	6-5-73	6.0
		Fivemile River basin				
*2097.7	Fivemile River near Norwalk	Lat 41°06'02", long 73°27'18", at bridge on West Cedar Street, 1.8 miles west of Norwalk.	d8.13	1962-73	7-6-73	17
		Mianus River basin				
2103	East Branch Mianus River near Long Ridge	Lat 41°08'19", long 73°35'40", at bridge on Riverbank Road, 1.2 miles south of Long Ridge.	3.23	1961-65 1968-73	7-25-73	1.6
		Greenwich Creek basin				
2111	Greenwich Creek at Cos Cob	Lat 41°02'35", long 73°36'31", at bridge on Brookridge Drive, 0.5 mile northwest of Cos Cob.	5.82	1964-66 1968-73	7-25-73	8.6
		Byram River basin				
*2117	East Branch Byram River at Round Hill	Lat 41°05'56", long 73°41'00", at bridge on John Street, 0.8 mile west of Round Hill.	1.69	1961-73	7-12-73	1.4
*2121	East Branch Byram River at Riversville	Lat 41°03'39", long 73°40'31", at bridge on Riversville Road just downstream from Merritt Parkway, and 0.2 mile upstream from mouth.	e 7.4	1961-62 ‡1963-69 1970-73	6-15-73	5.0

* Also a crest-stage station
‡ Continuous-record station.
d Effective drainage area only; does not include 0.83 sq mi above New Canaan Reservoir.
e Effective drainage area only; does not include 3.7 sq mi from which entire flow is diverted into Putnam Lake.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage indicator is a device which will register the peak stage occuring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined. Each station in this table is also a low-flow partial-record station, unless noted.

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq mi)	Period of Record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (cfs)
		Mystic River basin					
1187.5	Haleys Brook near Old Mystic	Lat 41°23'20", long 71°59'11", at bridge on Packer Road, 1.2 miles west of Old Mystic.	4.37	1962-73	12-6-72	3.32	84
		Thames River basin					
1192.55	Delphi Brook near Staffordville	Lat 42°01'23", long 72°14'53", at bridge on State Highway 19, 2.1 miles northeast of Staffordville.	2.59	1964-73	2-2-73	1.73	105
1193	Roaring Brook near Staffordville	Lat 41°59'05", long 72°13'48", at abandoned bridge beside Bradway Road, 1.7 miles east of Staffordville.	5.61	1960-73	2-2-73	3.56	330
1193.6	Conat Brook at West Willington	Lat 41°52'17", long 72°17'31", at bridge on Sharps Hill Road, 0.5 mile southeast of West Willington.	2.40	1964-73	2-2-73	3.74	83
1198.2	Skungamaug River at North Coventry	Lat 41°47'32", long 72°21'20", at bridge on State Highway 31, 1.0 mile southeast of North Coventry.	24.7♦	1962-64 1965-73	2-3-73	4.01	1,600
1200	Hop River near Columbia	Lat 41°43'39", long 72°18'10", 1,500 feet downstream from Hop River village near Columbia.	74.8♦	1933-71 1972-73	2-3-73	9.82	2,330
1213	Fenton River at East Willington	Lat 41°52'20", long 72°14'31", at bridge on U.S. Highway 44, at East Willington.	11.4	1964-73	2-2-73	4.85	600
1226.8	Merrick Brook near Scotland	Lat 41°43'44", long 72°05'08", by Brook Street, 2.1 miles north of Scotland.	5.21	1964-73	2-2-73	4.09	560
1253	English Neighborhood Brook at North Woodstock	Lat 41°59'27", long 71°59'51", at bridge on State Highway 93, at North Woodstock.	4.66	1962-73	2-2-73	4.67	390
a 1254.9	Little River at Harrisville	Lat 41°55'39", long 71°55'50", at bridge on Tripp Road, half a mile east of Harrisville.	35.8♦	1962-71 1972-73	2-2-73	6.78	1,170
1256	Mashamoquet Brook at Abington	Lat 41°52'27", long 72°00'35", at bridge on Taft Pond Road, 1 mile north of Abington.	11.1♦	1962-63 1964-73	2-2-73	4.94	820
1256.5	Wappoquia Brook near Pomfret	Lat 41°51'57", long 71°57'30", at bridge on Day Road, 2 miles south of Pomfret.	4.21	1964-73	2-2-73	3.93	370
1259	Cady Brook at East Putnam	Lat 41°54'32", long 71°49'11", at bridge on E. Putnam Road, 0.3 mile south of East Putnam.	8.29	1964-73	2-2-73	3.47	360
a 1260	Fivemile River at Killingly	Lat 41°50'14", long 71°53'09", at Pennsylvania Central railroad bridge 0.6 mile south of Killingly.	57.8♦	1938-71 1972-73	12-7-72	4.76	848
1265	Moosup River at Moosup	Lat 41°42'37", long 71°53'11", at Kaman Aircraft Corp at Moosup.	83.6♦	1933-71 1972-73	2-2-73	5.42	1,770

♦Continuous-record station
a Not a low-flow partial-record station

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq mi)	Period of Record	Annual maximum Date	Gage height (feet)	Discharge (cfs)
		Thames River basin--Continued					
1267	Kitt Brook near Canterbury	Lat 41°40'50", long 71°58'42", at bridge on Mudhole (Elmdale) Road, 1.2 miles south of Canterbury.	11.1	1964-73	2-2-73	3.39	400
1271	Broad Brook near Preston City	Lat 41°33'14", long 71°58'15", at bridge on State Highway 164, 1.8 miles north of Preston City.	12.5	1961-73	2-2-73	3.94	400
1274	Susquetonscut Brook at Yantic	Lat 41°34'15", long 72°08'01", at bridge on State Highway 87, 1 mile northwest of Yantic.	15.7	1962-73	2-2-73	6.15	960
1277	Trading Cove Brook near Thamesville	Lat 41°30'03", long 72°06'59", at culvert on Conn. Turnpike, 1.5 miles west of Thamesville and 3 miles southwest of Norwich.	8.57	1961-73	2-2-73	5.69	940
1277.6	Hunts Brook at Quaker Hill	Lat 41°24'04", long 72°07'16", at bridge on Old Norwich Road, at Quaker Hill.	11.5	1964-73	2-2-73	3.45	290
		Fourmile River basin					
1278	Fourmile River near East Lyme	Lat 41°21'25", long 72°15'40", at bridge on Stones Ranch Road, 2.5 miles west of East Lyme.	4.30	1961-73	2-2-73	2.85	100
		Connecticut River basin					
1839.9	Jawbuck Brook near Hazardville	Lat 42°00'24", long 72°33'14", at culvert on Shaker Road, 1.5 miles north of Hazardville.	2.16	1967-73	5-21-73	2.92	52
1841	Stony Brook near West Suffield	Lat 41°57'38", long 72°42'39", at bridge on South Grand Street, 2.1 miles south of West Suffield.	10.2	1960-73	12-6-72	3.22	280
1842.6	Namerick Brook near Warehouse Point	Lat 41°54'13", long 72°36'47", at bridge on U.S. Highway 5, 1.7 miles south of Warehouse Point.	2.60	1964-73	2-2-73	3.83	200
1843	Gillette Brook at Somers	Lat 41°59'30", long 72°26'05", at twin culverts on Battle Street, 0.7 mile northeast of Somers.	3.64	1960-67 #1968-69 1970-73	12-6-72	4.08	145
1845	Scantic River at Broad Brook	Lat 41°54'42", long 71°33'48", upstream from bridge on State Highway 191, at Broad Brook	98.2	#1929-71 1972-73	2-3-73	9.61	1,600
1881	Roaring Brook at Unionville	Lat 41°45'24", long 72°52'59", at bridge on State Highway 4, at Unionville.	7.60	1962-73	2-2-73	2.66	570
1892	Stratton Brook near Simsbury	Lat 41°52'12", long 72°49'29", at bridge on Farms Village Road, 400 feet upstream from mouth, and 1 mile west of Simsbury.	5.19	1964-66 #1967-71 1972-73	2-2-73	2.23	145
1900.5	Podunk River at Wapping	Lat 41°49'36", long 72°33'52", at bridge on State Highway 30, 0.5 mile west of Wapping.	4.34	1962-73	2-2-73	4.26	100
1901	Piper Brook at Newington Junction	Lat 41°42'43", long 72°44'15", at bridge on Willard Avenue at Newington Junction.	14.6	#1959-71 1972-73	2-2-73	7.34	1,200
1902	Mill Brook at Newington	Lat 41°42'16", long 72°43'34", at bridge on Dowd Street, 0.5 mile north of Newington.	2.65	#1959-71 1972-73	2-2-73	5.56	260

#Continuous-record station
a Not a low-flow partial-record station

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq ft)	Period of Record	Annual maximum Date	Gage height (feet)	Discharge (cfs)
1919	Charter Brook near Chrystal Lake	Lat 41°54'22", long 72°24'15", at bridge on Browns Bridge Road, 2 miles southwest of Crystal Lake.	8.51	1965-73	2-2-73	3.72	390
a 1925	Hockanum River near East Hartford	Lat 41°45'36", long 72°35'16", 0.2 mile upstream from bridge on Walnut Street near East Hartford.	73.4	#1920-71 1972-73	2-3-73	8.66	1,800
1926.5	Roaring Brook at Hopewell	Lat 41°39'50", long 72°34'55", at bridge on Matson Hill Road at Hopewell.	24.3	#1961-71 1972-73	2-2-73	4.27	718
a 1927	Mattabesset River at East Berlin	Lat 41°37'08", long 72°42'48", at bridge on Berlin Street, at East Berlin.	46.5	#1962-71 1972-73	2-3-73	7.10	2,600
1928	Farmalee Brook near Durham	Lat 41°27'08", long 72°42'08", at bridge on Sawmill Road, 2 miles southwest of Durham.	2.79	1960-73	9-12-71 6-19-72 2-2-73	4.6 4.24 4.44	450 (revised) 350 (revised) 410
1931.2	Ponset Brook near Higganum	Lat 41°28'45", long 72°33'28", at bridge on Skinner Road, 1.2 miles south of Higganum.	5.72	1962-73	2-2-73	5.14	900
1932.5	Judd Brook near Colchester	Lat 41°35'55", long 72°21'12", at bridge on Colchester Road, 2 miles northwest of Colchester.	3.93	1962-73	2-2-73	4.42	430
1933	Blackledge River near Gilead	Lat 41°41'46", long 72°27'22", at box culverts on State Highway 94, 3 miles west of Gilead, and 4 miles east of Buckingham.	6.75	1960-73	2-2-73	4.48	285
1940	Eightmile River at North Plain	Lat 41°26'30", long 72°20'00", at bridge on State Highway 82, at North Plain.	20.1	#1937-66 1967-72	2-3-73	7.22	1,820
		Mill River basin					
1966	Willow Brook near Cheshire	Lat 41°27'35", long 72°55'06", at bridge on Mt. Sanford Road, at corner of Harrison Avenue, 2.5 miles south of Cheshire.	9.09	1960-73	2-2-73	4.57	230
		Wepawaug River basin					
1967	Wepawaug River at Milford	Lat 41°14'18", long 73°03'32", by bridge on Walnut Street, at Milford.	18.4	1962-73	2-2-73	5.70	900
		Housatonic River basin					
1985	Blackberry River at Canaan	Lat 42°01'26", long 73°20'32", at bridge on U.S. Highway 44, at Canaan.	45.9	#1950-71 1972-73	2-3-73	8.48	1,960
1991.5	Furnace Brook at Cornwall Bridge	Lat 41°49'06", long 73°22'11", at bridge on State Highway 4, 0.2 mile from mouth at Cornwall Bridge.	13.3	1962-73	2-2-73	5.62	800
2015.1	Still River at Lanesville	Lat 41°32'12", long 73°25'04", 0.9 mile upstream from mouth, at Lanesville.	69.6	b1931-66 #1967-71 1972-73	2-3-73	7.71	2,670
2018.9	Pond Brook near Hawleyville	Lat 41°27'22", long 73°20'07", at bridge on Pond Brook Road, 2 miles northeast of Hawleyville.	11.9	1963-73	2-2-73	6.14	1,400
2027	Butternut Brook near Litchfield	Lat 41°44'35", long 73°13'14", at bridge on Ripley Road, 1.5 miles west of Litchfield.	2.42	1960-73	2-2-73	7.91	500

Continuous record station
a Not a low-flow partial-record station
b Continuous-record station at former station No. 2015, 2 miles upstream

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq ft)	Period of Record	Annual maximum Date	Gage Height (feet)	Discharge (cfs)
		Housatonic River basin--Continued					
2030	Shepaug River near Roxbury	Lat 41°32'59", long 73°19'49", at Wellers Bridge, 1.2 miles southwest of Roxbury.	132	#1930-71 1972-73	2-3-73	9.13	5,550
2031	Jacks Brook near Roxbury Falls	Lat 41°31'39", long 73°18'32", at bridge on River Road, 1.2 miles north of Roxbury Falls.	7.90	1961-73	6-30-73	5.18	1,100
2037	Wood Creek near Bethlehem	Lat 41°37'38", long 73°13'34", at bridge on State Highway 132, 1.2 miles southwest of Bethlehem.	3.39	1962-73	2-2-73	----	700
2081	Hancock Brook near Terryville	Lat 41°39'40", long 73°00'12", at bridge on Waterbury Road, at corner of South Main Street, 1.1 miles south of Terryville.	1.18	1960-73	6-30-73	3.02	113
2084	Hop Brook near Middlebury	Lat 41°31'25", long 73°05'38", at bridge on Shaddock Road, 1.5 miles east of Middlebury.	9.43	1962-73	6-30-73	6.93	1,150
2087	Little River at Oxford	Lat 41°26'03", long 73°07'03", at bridge on Governor Hill Road, at Oxford.	4.54	1960-73	6-30-73	5.20	390
2088.5	Pequonnock River at Trumbull	Lat 41°14'49", long 73°11'52", at bridge on Daniels Farm Road, at Trumbull.	c11.8	1962-64 #1965-66 1967-73	6-30-73	5.80	1,200
		Mill River basin					
2089	Patterson Brook near Easton	Lat 41°17'16", long 73°17'33", at culvert on State Highway 59, 2.5 miles north of Easton.	1.21	1960-73	6-30-73	5.94	82
		Norwalk River basin					
2096	Comstock Brook at North Wilton	Lat 41°12'45", long 73°27'31", at bridge on Nod Hill Road, at North Wilton.	3.53	1960-73	2-2-73	4.01	280
		Fivemile River basin					
2097.7	Fivemile River near Norwalk	Lat 41°06'02", long 73°27'18", at bridge on West Cedar Street, 1.8 miles west of Norwalk.	d8.13	1962-73	12-6-72	3.89	580
		Byram River basin					
2117	East Branch Byram River at Round Hill	Lat 41°05'56", long 73°41'00", at bridge on John Street, 0.8 mile west of Round Hill.	1.69	1960-73	2-2-73	3.66	195
2121	East Branch Byram River at Riversville	Lat 41°03'39", long 73°40'31", at bridge on Riversville Road just downstream from Merritt Parkway, 0.2 mile upstream from mouth.	e 7.4	#1963-69 1970-73	2-2-73	6.60	1,100

#Continuous record station
c Effective drainage area; does not include 3.8 sq mi from which entire flow is diverted into Easton Reservoir
d Effective drainage area; does not include 0.83 sq mi above New Canaan Reservoir
e Effective drainage area; does not include 3.7 sq mi from which entire flow is diverted into Putnam Lake

PART 2. WATER-QUALITY RECORDS

WATER QUALITY RECORDS

NORTH ATLANTIC SLOPE BASINS

THAMES RIVER BASIN

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CONN.

LOCATION.-- 41°42'01", long 72°10'57", Windham County, at gaging station on right bank at downstream side of Bingham Bridge on Plains Road, 500 ft (150 m) upstream from Pennsylvania Central Company railroad bridge, 500 ft (150 m) downstream from Potash Brook, 1.3 mi (2.1 km) downstream from confluence of Willimantic and Natchaug Rivers, 1.5 mi (2.4 km) southeast of Willimantic, and 17 mi (27 km) upstream from mouth.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
16...	1505	2	505	9.0	360	40	7.2	1.6	9.6	2.5	18
16...	1505	3	505	--	--	--	--	--	--	--	--
NOV.											
13...	1425	2	1750	9.1	220	0	6.1	1.5	6.8	1.7	13
13...	1425	3	1750	--	--	--	--	--	--	--	--
DEC.											
11...	1530	2	3030	7.6	150	20	6.4	1.2	5.0	1.0	8
11...	1530	3	3030	--	--	--	--	--	--	--	--
JAN.											
08...	1520	2	1090	9.4	170	10	6.1	1.5	7.6	1.0	9
08...	1520	3	1090	--	--	--	--	--	--	--	--
FEB.											
05...	1515	2	4210	6.0	150	20	4.8	1.0	4.8	.9	6
05...	1515	3	4210	--	--	--	--	--	--	--	--
MAR.											
05...	1350	2	1210	7.9	150	40	5.8	1.4	7.1	1.1	10
05...	1350	3	1210	--	--	--	--	--	--	--	--
APR.											
09...	1500	2	1330	6.8	160	30	5.0	1.3	6.5	.9	10
09...	1500	3	1330	--	--	--	--	--	--	--	--
MAY											
14...	1420	2	990	6.8	290	0	5.0	1.4	6.6	1.1	12
14...	1420	3	990	--	--	--	--	--	--	--	--
JUNE											
11...	1435	2	312	7.6	390	40	7.2	1.6	12	1.4	17
11...	1435	3	312	--	--	--	--	--	--	--	--
JULY											
09...	1120	2	455	9.0	520	30	6.1	1.5	7.0	1.4	16
09...	1120	3	455	--	--	--	--	--	--	--	--
AUG.											
06...	1240	2	265	8.4	410	40	7.1	1.7	8.4	1.9	18
06...	1240	3	265	--	--	--	--	--	--	--	--
SEP.											
10...	1345	2	231	8.2	430	90	7.5	1.8	11	2.8	17
10...	1345	3	231	--	--	--	--	--	--	--	--

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CONN.--Continued

DRAINAGE AREA.--402 mi^2 (1,041 km^2).

PERIOD OF RECORD.--Chemical analysis: October 1956 to September 1957, June 1969 to September 1973.
Water temperatures: October 1956 to September 1957

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1956-57 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	PHOSPHATE (PO4) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.											
16...	0	16	12	.1	.22	.68	.35	.00	--	.40	--
16...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
13...	0	14	9.2	.0	.15	.46	.30	.01	--	.40	--
13...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
11...	0	12	7.3	.1	.05	.18	.10	.01	--	.40	--
11...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
08...	0	14	12	.1	.11	.34	.13	.00	--	.50	--
08...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
05...	0	9.0	6.2	.0	.05	.16	.09	.00	--	.40	--
05...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
05...	0	12	9.7	.1	.11	.34	.17	.01	--	.50	--
05...	--	--	--	--	--	--	--	--	--	--	--
APR.											
09...	0	14	9.0	.2	.07	--	.10	.01	.42	.40	--
09...	--	--	--	--	--	--	--	--	--	--	--
MAY											
14...	0	12	8.5	.2	.11	.34	.15	.00	.40	.40	--
14...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
11...	0	10	12	.2	.24	--	.40	.04	.70	.66	--
11...	--	--	--	--	--	--	--	--	--	--	--
JULY											
09...	0	9.5	8.5	.2	.10	.31	.12	.00	.55	.54	.570
09...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
06...	0	14	12	.3	.17	.52	.10	.03	.45	.42	.830
06...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
10...	0	15	13	.3	.16	.49	.47	.01	.58	.56	.880
10...	--	--	--	--	--	--	--	--	--	--	--

THAMES RIVER BASIN

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	ORGANIC NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT.										
16...	1.1	1.8	78	95.4	.10	25	10	15	108	6.8
16...	--	--	--	--	--	--	--	--	123	6.9
NOV.										
13...	.33	1.0	57	269	.08	21	10	11	87	6.8
13...	--	--	--	--	--	--	--	--	96	7.0
DEC.										
11...	.34	.85	47	385	.06	21	14	7	64	7.1
11...	--	--	--	--	--	--	--	--	195	6.2
JAN.										
08...	.31	.94	59	174	.08	21	14	7	92	7.0
08...	--	--	--	--	--	--	--	--	140	6.4
FEB.										
05...	.41	.90	38	432	.05	16	11	5	57	6.6
05...	--	--	--	--	--	--	--	--	61	6.9
MAR.										
05...	.48	1.1	53	173	.07	20	12	8	83	6.8
05...	--	--	--	--	--	--	--	--	100	6.9
APR.										
09...	.38	.69	51	183	.07	18	10	8	70	6.6
09...	--	--	--	--	--	--	--	--	90	6.8
MAY										
14...	--	--	50	135	.07	18	8	10	76	6.2
14...	--	--	--	--	--	--	--	--	90	6.6
JUNE										
11...	.90	2.0	72	60.7	.10	25	11	14	110	6.8
11...	--	--	--	--	--	--	--	--	130	6.5
JULY										
09...	.45	1.1	54	66.3	.07	21	8	13	83	6.8
09...	--	--	--	--	--	--	--	--	86	6.5
AUG.										
06...	.73	1.2	65	46.5	.09	25	10	15	99	6.7
06...	--	--	--	--	--	--	--	--	148	6.5
SEP.										
10...	.41	1.4	72	44.9	.10	26	12	14	114	6.8
10...	--	--	--	--	--	--	--	--	137	6.7

01122500 QUINEBAUG RIVER NEAR WILLIMANTIC, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TURBIDITY (JTU)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	PHENOLS (UG/L)	TEMPERATURE (DEG C)
OCT.											
16...	1	12.0	--	--	--	--	--	63	.8	6	8.0
16...	--	12.0	10.0	84	8800	6800	9800	--	--	--	8.0
NOV.											
13...	1	11.0	--	--	--	--	--	39	.6	--	7.5
13...	--	11.0	11.0	91	100000	10000	6400	--	--	--	7.5
DEC.											
11...	1	1.0	--	--	--	--	--	33	.5	--	3.0
11...	--	1.0	11.5	85	4500	2000	1000	--	--	--	3.0
JAN.											
08...	1	-7.0	--	--	--	--	--	42	.7	5	0.5
08...	--	-7.0	11.5	78	9400	2900	3000	--	--	--	0.5
FEB.											
05...	1	--	--	--	--	--	--	38	.5	--	2.0
05...	--	--	--	--	2100	740	780	--	--	--	2.0
MAR.											
05...	1	14.0	--	--	--	--	--	42	.7	--	4.0
05...	--	14.0	9.2	70	9600	2500	2000	--	--	--	4.0
APR.											
09...	1	14.5	--	--	--	--	--	43	.7	2	7.0
09...	--	14.5	11.7	95	3400	2100	5200	--	--	--	7.0
MAY											
14...	1	24.5	--	--	--	--	--	42	.7	--	15.5
14...	--	24.5	9.5	95	100	--	520	--	--	--	15.5
JUNE											
11...	1	33.5	--	--	--	--	--	50	1.1	--	27.0
11...	--	33.5	6.0	74	820	140	200	--	--	--	27.0
JULY											
09...	1	30.0	--	--	--	--	--	40	.7	0	31.0
09...	--	30.0	6.9	91	800	190	290	--	--	--	31.0
AUG.											
06...	1	29.0	--	--	--	--	--	40	.7	--	26.0
06...	--	29.0	6.2	105	3100	200	650	--	--	--	26.0
SEP.											
10...	1	18.5	--	--	--	--	--	45	.9	--	20.0
10...	--	18.5	8.8	97	300	7	4	--	--	--	20.0

QUINEBAUG RIVER NEAR DUDLEY, MASS.

LOCATION.--Lat 42°01'49", long 71°57'22", Worcester County, on right bank, 50 ft (15 m) upstream from bridge on State Highway 131, 0.2 mi (0.3 km) upstream from Massachusetts-Connecticut State line, 0.4 mi (0.6 km) upstream from gaging station at Quinebaug, Conn., and 2.0 mi (3.2 km) southwest of Dudley, Mass.

DRAINAGE AREA.--156 mi² (404 km²) at gage at Quinebaug, Conn.

PERIOD OF RECORD.--Chemical analyses: October 1969 to current year (no winter record in water year 1973). Water temperatures: October 1969 to current year (no winter record in water year 1973). Prior to October 1971, published as "at Quinebaug, Conn."

EXTREMES.--1972-73:
Dissolved oxygen: Maximum not determined; minimum recorded, 1.4 mg/l Aug. 27.
Water temperatures: Maximum recorded, 30.5°C Sept. 4; minimum, probably freezing point on many days during winter period.

Period of record:
Specific conductance (1969-72): Maximum recorded, 303 micromhos Sept. 24, 1970; minimum, 96 micromhos Feb. 20, 1972.
pH (1969-72): Maximum, 9.0 July 13, 16, 1971; minimum, 6.9 July 19, 1970.
Dissolved oxygen (1969-73): Maximum, 19.4 mg/l Feb. 12, 1972; minimum, 0.4 mg/l Aug. 29,1970.
Water temperatures (1969-73): Maximum recorded, 32.5°C July 20, 1970; minimum, freezing point on many days during winter periods.

REMARKS.--Figures of daily discharge for gaging station at Quinebaug, Conn. (sta 01124000) are used for this site.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
MAY									
09...	1500	2	.1	7.5	1.6	10	1.3	12	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
MAY									
09...	10	10	.2	.21	.09	.01	.20	.19	.54

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
MAY									
09...	56	.08	25	15	10	100	7.0	45	.9

01122500 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	191	163	180	---	---	---	---	---	---	---	---	---
2	161	148	154	---	---	---	---	---	---	---	---	---
3	160	152	158	---	---	---	---	---	---	---	---	---
4	161	160	161	---	---	---	---	---	---	---	---	---
5	167	160	163	---	---	---	---	---	---	---	---	---
6	170	161	164	---	---	---	---	---	---	---	---	---
7	166	106	142	---	---	---	---	---	---	---	---	---
8	127	119	122	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	116	112	113	---	---	---	---	---	---	---	---	---
12	123	109	116	---	---	---	---	---	---	---	---	---
13	139	123	132	---	---	---	---	---	---	---	---	---
14	146	120	129	---	---	---	---	---	---	---	---	---
15	124	117	121	---	---	---	---	---	---	---	---	---
16	126	119	123	---	---	---	---	---	---	---	---	---
17	130	116	125	---	---	---	---	---	---	---	---	---
18	122	116	119	---	---	---	---	---	---	---	---	---
19	116	108	112	---	---	---	---	---	---	---	---	---
20	108	101	104	---	---	---	---	---	---	---	---	---
21	106	95	98	---	---	---	---	---	---	---	---	---
22	98	91	96	---	---	---	---	---	---	---	---	---
23	96	89	92	---	---	---	---	---	---	---	---	---
24	98	91	95	---	---	---	---	---	---	---	---	---
25	100	95	98	---	---	---	---	---	---	---	---	---
26	104	98	102	---	---	---	---	---	---	---	---	---
27	108	101	106	---	---	---	---	---	---	---	---	---
28	118	108	112	---	---	---	---	---	---	---	---	---
29	121	115	119	---	---	---	---	---	---	---	---	---
30	125	120	123	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	191	89	126	---	---	---	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	105	97	99
4	---	---	---	---	---	---	---	---	---	117	100	107
5	---	---	---	---	---	---	---	---	---	113	103	109
6	---	---	---	---	---	---	---	---	---	108	101	103
7	---	---	---	---	---	---	---	---	---	110	103	107
8	---	---	---	---	---	---	---	---	---	117	108	111
9	---	---	---	---	---	---	---	---	---	121	112	115
10	---	---	---	---	---	---	---	---	---	122	106	113
11	---	---	---	---	---	---	---	---	---	109	98	101
12	---	---	---	---	---	---	---	---	---	105	98	101
13	---	---	---	---	---	---	---	---	---	106	97	99
14	---	---	---	---	---	---	---	---	---	107	97	100
15	---	---	---	---	---	---	---	---	---	109	100	103
16	---	---	---	---	---	---	---	---	---	108	98	101
17	---	---	---	---	---	---	---	---	---	109	100	105
18	---	---	---	---	---	---	---	---	---	108	99	103
19	---	---	---	---	---	---	---	---	---	110	101	105
20	---	---	---	---	---	---	---	---	---	121	98	101
21	---	---	---	---	---	---	---	---	---	105	88	97
22	---	---	---	---	---	---	---	---	---	125	106	115
23	---	---	---	---	---	---	---	---	---	113	100	107
24	---	---	---	---	---	---	---	---	---	126	102	110
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	110	95	99
27	---	---	---	---	---	---	---	---	---	106	97	99
28	---	---	---	---	---	---	---	---	---	105	97	100
29	---	---	---	---	---	---	---	---	---	104	96	99
30	---	---	---	---	---	---	---	---	---	102	97	100
31	---	---	---	---	---	---	---	---	---	105	97	101
MONTH	---	---	---	---	---	---	---	---	---	126	88	104

01123990 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	110	100	103	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	133	125	130	193	170	180
5	---	---	---	---	---	---	133	123	128	200	186	190
6	---	---	---	107	102	105	129	119	127	201	171	190
7	---	---	---	110	104	107	129	116	123	195	184	190
8	---	---	---	109	100	104	133	122	128	201	175	190
9	---	---	---	106	98	102	134	120	128	214	186	200
10	---	---	---	106	101	103	139	127	134	229	200	220
11	---	---	---	122	107	110	140	128	134	232	158	200
12	---	---	---	123	113	117	138	127	132	180	164	170
13	---	---	---	127	115	120	135	126	131	188	170	180
14	---	---	---	125	116	120	142	133	137	229	182	210
15	---	---	---	124	121	123	144	140	142	221	167	190
16	---	---	---	130	120	126	153	138	143	166	147	160
17	---	---	---	138	121	129	155	135	148	223	151	170
18	---	---	---	132	125	129	156	145	151	227	144	190
19	---	---	---	146	131	137	155	142	149	145	123	130
20	124	120	122	153	141	147	151	142	147	153	142	150
21	131	118	123	157	130	144	149	139	144	160	148	150
22	---	---	---	129	122	125	152	138	145	170	160	160
23	---	---	---	137	127	131	168	153	158	175	160	170
24	---	---	---	144	129	138	174	157	166	182	175	180
25	---	---	---	146	130	140	175	157	168	180	148	167
26	---	---	---	151	146	148	173	154	164	172	160	165
27	126	120	123	151	149	150	170	154	165	175	164	170
28	119	113	115	---	---	---	---	---	---	173	165	169
29	---	---	---	---	---	---	---	---	---	182	157	172
30	---	---	---	---	---	---	---	---	---	157	126	136
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	232	123	176

PH (UNITS) , WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.6	6.3	6.5	---	---	---	---	---	---	---	---	---
2	7.2	6.8	6.8	---	---	---	---	---	---	---	---	---
3	7.0	6.6	6.8	---	---	---	---	---	---	---	---	---
4	6.8	6.5	6.6	---	---	---	---	---	---	---	---	---
5	6.6	6.4	6.5	---	---	---	---	---	---	---	---	---
6	6.6	6.2	6.4	---	---	---	---	---	---	---	---	---
7	6.4	6.1	6.3	---	---	---	---	---	---	---	---	---
8	6.6	6.3	6.4	---	---	---	---	---	---	---	---	---
9	6.6	6.4	6.5	---	---	---	---	---	---	---	---	---
10	6.8	6.4	6.6	---	---	---	---	---	---	---	---	---
11	7.0	6.5	6.6	---	---	---	---	---	---	---	---	---
12	6.6	6.5	6.6	---	---	---	---	---	---	---	---	---
13	6.6	6.4	6.5	---	---	---	---	---	---	---	---	---
14	6.8	6.5	6.6	---	---	---	---	---	---	---	---	---
15	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
16	6.7	6.5	6.6	---	---	---	---	---	---	---	---	---
17	6.6	6.4	6.6	---	---	---	---	---	---	---	---	---
18	6.7	6.6	6.6	---	---	---	---	---	---	---	---	---
19	6.7	6.6	6.6	---	---	---	---	---	---	---	---	---
20	6.9	6.6	6.8	---	---	---	---	---	---	---	---	---
21	7.1	6.7	6.8	---	---	---	---	---	---	---	---	---
22	6.7	6.6	6.7	---	---	---	---	---	---	---	---	---
23	6.8	6.6	6.6	---	---	---	---	---	---	---	---	---
24	6.8	6.3	6.5	---	---	---	---	---	---	---	---	---
25	6.3	6.2	6.3	---	---	---	---	---	---	---	---	---
26	7.0	6.3	6.5	---	---	---	---	---	---	---	---	---
27	7.0	6.4	6.5	---	---	---	---	---	---	---	---	---
28	6.7	6.4	6.5	---	---	---	---	---	---	---	---	---
29	6.5	6.3	6.4	---	---	---	---	---	---	---	---	---
30	6.4	6.3	6.4	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	7.2	6.1	6.6	---	---	---	---	---	---	---	---	---

01123990 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

PH (UNITS), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	7.2	6.7	7.0
8	---	---	---	---	---	---	---	---	---	7.0	6.6	6.8
9	---	---	---	---	---	---	---	---	---	6.8	6.6	6.7
10	---	---	---	---	---	---	---	---	---	7.1	6.6	6.8
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	7.0	6.4	6.8
18	---	---	---	---	---	---	---	---	---	6.8	6.4	6.6
19	---	---	---	---	---	---	---	---	---	6.8	6.4	6.6
20	---	---	---	---	---	---	---	---	---	6.9	6.4	6.7
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	7.0	6.3	6.7
27	---	---	---	---	---	---	---	---	---	7.1	6.5	6.8
28	---	---	---	---	---	---	---	---	---	6.9	6.6	6.8
29	---	---	---	---	---	---	---	---	---	7.1	6.3	6.9
30	---	---	---	---	---	---	---	---	---	7.0	6.3	6.8
31	---	---	---	---	---	---	---	---	---	6.8	6.1	6.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.7	6.8	6.9	6.8	6.8	---	---	---	---	---	---
2	---	---	---	6.9	6.8	6.8	---	---	---	---	---	---
3	---	---	---	6.9	6.8	6.8	6.6	6.6	6.6	---	---	---
4	---	---	---	6.8	6.7	6.8	6.9	6.6	6.7	6.9	6.2	6.5
5	---	---	---	6.8	6.7	6.7	7.0	6.7	6.8	6.3	6.2	6.3
6	---	---	---	6.8	6.6	6.7	7.0	6.7	6.8	6.5	6.3	6.4
7	---	---	---	6.7	6.5	6.6	6.9	6.6	6.7	6.4	6.2	6.3
8	---	---	---	6.8	6.6	6.7	6.9	6.6	6.7	6.5	6.3	6.4
9	---	---	---	6.8	6.5	6.6	6.9	6.5	6.7	6.6	6.5	6.5
10	---	---	---	6.7	6.4	6.6	6.8	6.5	6.6	6.6	6.4	6.5
11	---	---	---	6.8	6.5	6.6	6.8	6.5	6.6	6.5	6.3	6.5
12	---	---	---	---	---	---	7.0	6.5	6.7	6.4	6.3	6.3
13	---	---	---	6.9	6.5	6.7	6.9	6.4	6.7	6.4	6.2	6.3
14	---	---	---	7.0	6.5	6.7	6.7	6.5	6.6	6.5	6.3	6.5
15	---	---	---	6.7	6.5	6.6	6.7	6.5	6.6	6.7	6.5	6.6
16	---	---	---	7.2	6.5	6.8	6.8	6.5	6.6	6.7	6.5	6.6
17	---	---	---	7.1	6.5	6.8	6.7	6.5	6.6	6.7	6.6	6.6
18	---	---	---	6.8	6.5	6.6	7.0	6.4	6.7	6.8	6.6	6.7
19	---	---	---	6.8	6.3	6.5	6.8	6.5	6.6	6.9	6.7	6.8
20	6.7	6.4	6.5	6.5	6.2	6.4	6.8	6.5	6.6	6.6	6.3	6.5
21	6.5	6.3	6.4	6.3	6.1	6.2	6.8	6.3	6.6	6.6	6.4	6.5
22	---	---	---	6.5	6.2	6.3	6.6	6.3	6.4	6.7	6.4	6.6
23	---	---	---	6.5	6.2	6.3	---	---	---	6.8	6.6	6.7
24	---	---	---	6.4	6.0	6.2	6.6	6.2	6.4	6.5	6.4	6.5
25	---	---	---	6.5	6.1	6.3	6.6	6.2	6.4	6.6	6.4	6.5
26	---	---	---	6.4	6.2	6.3	6.7	6.3	6.4	6.6	6.3	6.5
27	6.8	6.6	6.7	6.3	6.2	6.3	6.7	6.2	6.4	6.5	6.3	6.4
28	7.0	6.8	6.9	---	---	---	---	---	---	6.5	6.3	6.4
29	6.9	6.8	6.8	---	---	---	---	---	---	6.8	6.5	6.7
30	6.9	6.8	6.9	---	---	---	---	---	---	6.8	6.6	6.7
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	7.2	6.0	6.6	---	---	---	6.9	6.2	6.5
YEAR	7.2	6.0	6.6									

01123990 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.7	4.2	5.9	---	---	---	---	---	---	---	---	---
2	7.9	6.4	6.9	---	---	---	---	---	---	---	---	---
3	8.0	5.9	6.5	---	---	---	---	---	---	---	---	---
4	7.9	5.7	6.6	---	---	---	---	---	---	---	---	---
5	7.6	4.3	6.1	---	---	---	---	---	---	---	---	---
6	6.6	3.3	4.8	---	---	---	---	---	---	---	---	---
7	7.7	3.1	5.6	---	---	---	---	---	---	---	---	---
8	8.7	7.8	8.2	---	---	---	---	---	---	---	---	---
9	9.4	8.1	8.8	---	---	---	---	---	---	---	---	---
10	10.0	8.9	9.4	---	---	---	---	---	---	---	---	---
11	10.2	9.3	9.7	---	---	---	---	---	---	---	---	---
12	9.6	9.0	9.3	---	---	---	---	---	---	---	---	---
13	9.4	8.9	9.1	---	---	---	---	---	---	---	---	---
14	9.9	9.0	9.4	---	---	---	---	---	---	---	---	---
15	9.9	9.0	9.4	---	---	---	---	---	---	---	---	---
16	10.3	9.3	9.8	---	---	---	---	---	---	---	---	---
17	9.4	8.8	9.0	---	---	---	---	---	---	---	---	---
18	9.7	9.0	9.4	---	---	---	---	---	---	---	---	---
19	10.1	9.4	9.7	---	---	---	---	---	---	---	---	---
20	10.7	10.0	10.3	---	---	---	---	---	---	---	---	---
21	11.1	10.3	10.7	---	---	---	---	---	---	---	---	---
22	10.9	10.3	10.6	---	---	---	---	---	---	---	---	---
23	10.4	9.2	10.0	---	---	---	---	---	---	---	---	---
24	9.6	8.7	9.1	---	---	---	---	---	---	---	---	---
25	9.4	8.4	8.9	---	---	---	---	---	---	---	---	---
26	9.6	8.8	9.0	---	---	---	---	---	---	---	---	---
27	9.4	8.5	8.9	---	---	---	---	---	---	---	---	---
28	9.1	8.2	8.6	---	---	---	---	---	---	---	---	---
29	8.4	7.5	8.0	---	---	---	---	---	---	---	---	---
30	9.1	7.8	8.3	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	11.1	3.1	8.5	---	---	---	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	10.2	8.8	9.4
7	---	---	---	---	---	---	---	---	---	10.0	8.3	9.2
8	---	---	---	---	---	---	---	---	---	9.2	8.3	8.7
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	9.7	8.1	8.8
17	---	---	---	---	---	---	---	---	---	9.1	8.0	8.5
18	---	---	---	---	---	---	---	---	---	9.5	7.8	8.7
19	---	---	---	---	---	---	---	---	---	9.1	7.1	8.3
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	11.1	9.5	10.4
27	---	---	---	---	---	---	---	---	---	11.3	9.5	10.6
28	---	---	---	---	---	---	---	---	---	10.7	9.2	10.1
29	---	---	---	---	---	---	---	---	---	10.4	8.3	9.5
30	---	---	---	---	---	---	---	---	---	9.7	8.0	8.8
31	---	---	---	---	---	---	---	---	---	8.7	7.1	7.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

THAMES RIVER BASIN

01123990 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.4	7.5	7.9	---	6.1	6.4	---	---	---	---	---	---
2	---	---	---	6.6	---	---	---	---	---	---	---	---
3	---	---	---	7.0	5.8	6.8	---	---	---	---	---	---
4	---	---	---	6.5	5.9	6.2	6.0	4.8	5.3	---	---	---
5	---	---	---	6.7	6.2	6.4	6.2	5.3	5.7	---	---	---
6	---	---	---	7.0	6.2	6.6	6.5	5.1	5.8	---	---	---
7	---	---	---	7.1	6.1	6.6	6.3	4.4	5.4	---	---	---
8	---	---	---	7.0	5.9	6.5	5.7	3.9	4.8	---	---	---
9	---	---	---	6.9	5.6	6.2	5.6	3.9	4.7	---	---	---
10	---	---	---	6.8	5.4	6.0	5.5	3.8	4.6	---	---	---
11	---	---	---	6.8	4.6	5.6	5.7	3.8	4.4	---	---	---
12	---	---	---	6.7	4.2	5.5	5.9	4.2	4.9	5.5	3.8	4.4
13	---	---	---	7.4	5.7	6.6	6.1	4.6	5.2	5.5	3.5	4.4
14	---	---	---	7.3	5.1	6.1	5.9	4.1	5.0	4.8	3.6	4.2
15	---	---	---	6.5	5.3	5.9	5.1	4.3	4.6	6.2	4.4	5.3
16	---	---	---	7.6	5.6	6.6	5.9	4.3	4.9	5.8	4.0	4.8
17	---	---	---	7.4	5.2	6.3	5.9	3.6	4.7	6.2	4.0	5.0
18	---	---	---	7.3	5.2	6.1	6.3	3.9	5.0	6.5	4.6	5.4
19	---	---	---	7.2	4.2	5.8	6.9	4.6	5.3	6.8	6.3	6.6
20	---	---	---	6.6	3.5	5.1	6.9	5.2	5.7	6.5	5.4	6.1
21	---	---	---	5.8	3.5	4.8	7.7	5.1	6.3	6.7	5.7	6.2
22	---	---	---	7.3	5.7	6.4	7.3	4.9	6.3	6.9	6.0	6.4
23	---	---	---	7.3	5.1	6.3	5.5	2.3	4.6	7.2	6.2	6.6
24	---	---	---	6.4	3.8	5.4	5.5	1.7	3.4	6.7	6.2	6.5
25	---	---	---	6.5	4.0	5.2	5.3	1.7	3.2	7.5	6.8	7.1
26	---	---	---	5.8	4.1	4.8	6.0	2.0	3.7	7.7	6.6	7.1
27	6.8	6.0	6.6	5.3	4.7	5.0	5.9	1.4	3.2	7.4	5.4	6.7
28	6.6	5.5	6.1	---	---	---	---	---	---	6.4	5.1	5.7
29	6.4	5.4	5.8	---	---	---	---	---	---	7.5	6.3	6.9
30	6.6	5.4	6.2	---	---	---	---	---	---	7.4	6.6	6.9
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	7.6	3.5	6.0	---	---	---	---	---	---

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.0	15.0	16.5	---	---	---	---	---	---	---	---	---
2	16.5	13.5	15.0	---	---	---	---	---	---	---	---	---
3	17.5	14.0	15.5	---	---	---	---	---	---	---	---	---
4	19.0	15.0	16.5	---	---	---	---	---	---	---	---	---
5	19.0	15.0	16.5	---	---	---	---	---	---	---	---	---
6	19.0	15.5	17.5	---	---	---	---	---	---	---	---	---
7	18.0	16.0	17.5	---	---	---	---	---	---	---	---	---
8	16.0	15.0	15.5	---	---	---	---	---	---	---	---	---
9	15.0	13.0	14.0	---	---	---	---	---	---	---	---	---
10	12.5	11.0	12.0	---	---	---	---	---	---	---	---	---
11	12.0	10.0	11.5	---	---	---	---	---	---	---	---	---
12	12.5	12.0	12.0	---	---	---	---	---	---	---	---	---
13	13.0	11.5	12.5	---	---	---	---	---	---	---	---	---
14	12.0	10.5	11.5	---	---	---	---	---	---	---	---	---
15	12.0	9.5	11.0	---	---	---	---	---	---	---	---	---
16	9.5	9.0	9.5	---	---	---	---	---	---	---	---	---
17	12.0	10.0	10.5	---	---	---	---	---	---	---	---	---
18	10.5	9.0	9.5	---	---	---	---	---	---	---	---	---
19	9.5	8.0	9.0	---	---	---	---	---	---	---	---	---
20	8.0	6.5	7.0	---	---	---	---	---	---	---	---	---
21	7.0	5.5	6.5	---	---	---	---	---	---	---	---	---
22	7.5	6.5	7.0	---	---	---	---	---	---	---	---	---
23	10.5	7.5	9.0	---	---	---	---	---	---	---	---	---
24	12.5	10.5	11.5	---	---	---	---	---	---	---	---	---
25	12.0	10.0	11.5	---	---	---	---	---	---	---	---	---
26	11.0	9.5	10.0	---	---	---	---	---	---	---	---	---
27	11.0	9.0	9.5	---	---	---	---	---	---	---	---	---
28	11.0	9.0	10.0	---	---	---	---	---	---	---	---	---
29	12.0	11.0	11.5	---	---	---	---	---	---	---	---	---
30	11.0	9.5	10.5	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	19.0	5.5	12.0	---	---	---	---	---	---	---	---	---

01123990 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	20.0	9.5	14.0
2	---	---	---	---	---	---	---	---	---	18.0	13.0	16.0
3	---	---	---	---	---	---	---	---	---	19.5	16.0	18.0
4	---	---	---	---	---	---	---	---	---	18.5	16.0	17.5
5	---	---	---	---	---	---	---	---	---	16.0	13.5	15.0
6	---	---	---	---	---	---	---	---	---	14.5	12.0	13.5
7	---	---	---	---	---	---	---	---	---	15.5	11.5	14.0
8	---	---	---	---	---	---	---	---	---	16.0	13.5	15.0
9	---	---	---	---	---	---	---	---	---	15.5	13.0	14.0
10	---	---	---	---	---	---	---	---	---	18.0	13.0	15.0
11	---	---	---	---	---	---	---	---	---	17.0	15.0	16.0
12	---	---	---	---	---	---	---	---	---	17.0	13.5	15.0
13	---	---	---	---	---	---	---	---	---	15.5	12.5	14.0
14	---	---	---	---	---	---	---	---	---	17.0	12.0	14.5
15	---	---	---	---	---	---	---	---	---	15.0	13.5	14.0
16	---	---	---	---	---	---	---	---	---	17.5	13.0	14.5
17	---	---	---	---	---	---	---	---	---	18.5	14.0	16.0
18	---	---	---	---	---	---	---	---	---	17.5	14.5	16.0
19	---	---	---	---	---	---	---	---	---	16.5	12.5	15.0
20	---	---	---	---	---	---	---	---	---	16.0	13.5	15.0
21	---	---	---	---	---	---	---	---	---	14.5	13.0	14.0
22	---	---	---	---	---	---	---	---	---	14.5	10.0	12.0
23	---	---	---	---	---	---	---	---	---	16.5	10.0	13.5
24	---	---	---	---	---	---	---	---	---	19.0	13.0	15.5
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	14.0	11.5	13.0
27	---	---	---	---	---	---	---	---	---	13.5	11.0	12.5
28	---	---	---	---	---	---	---	---	---	13.5	11.5	12.5
29	---	---	---	---	---	---	---	---	---	19.0	13.0	16.0
30	---	---	---	---	---	---	---	---	---	21.5	15.0	19.0
31	---	---	---	---	---	---	---	---	---	21.0	17.0	19.5
MONTH	---	---	---	---	---	---	---	---	---	21.5	9.5	15.0

01123990 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.0	18.0	19.0	24.0	22.5	23.0	---	---	---	---	---	---
2	---	---	---	25.0	23.0	24.0	---	---	---	---	---	---
3	---	---	---	25.5	23.5	24.5	---	---	---	---	---	---
4	---	---	---	25.0	24.0	24.5	26.5	25.0	26.0	30.5	29.0	30.0
5	---	---	---	24.0	23.5	24.0	26.0	25.0	25.5	28.0	27.0	28.0
6	---	---	---	24.5	22.5	23.5	26.5	25.0	26.0	27.0	26.0	26.5
7	---	---	---	25.0	22.5	24.0	27.0	25.5	26.0	26.5	24.5	25.5
8	---	---	---	25.5	23.5	24.5	27.5	26.0	26.5	24.5	22.5	23.5
9	---	---	---	26.5	24.5	25.5	27.5	26.0	27.0	24.0	21.5	22.5
10	---	---	---	26.0	25.0	25.5	28.0	26.0	27.0	23.0	19.5	21.5
11	---	---	---	26.0	24.5	25.5	27.5	26.5	27.0	23.0	19.5	21.5
12	---	---	---	24.5	23.0	24.0	27.5	26.0	26.5	23.0	21.0	22.0
13	---	---	---	24.0	22.0	23.0	27.0	25.0	26.0	22.5	20.0	21.5
14	---	---	---	25.5	23.0	24.0	26.5	24.5	25.5	21.0	20.0	20.5
15	---	---	---	24.0	23.0	23.5	25.0	24.0	25.0	21.0	19.5	20.0
16	---	---	---	24.5	22.5	23.5	25.0	24.0	24.5	21.0	19.5	20.0
17	---	---	---	25.0	23.0	24.0	26.0	24.0	25.0	20.0	18.5	19.0
18	---	---	---	24.5	23.0	23.5	26.5	24.5	25.5	19.0	18.0	18.5
19	---	---	---	26.5	22.5	24.5	26.0	24.5	25.0	18.5	17.5	18.0
20	24.5	23.5	24.0	26.5	24.5	25.5	26.0	24.0	24.5	19.0	18.0	18.5
21	25.0	23.5	24.0	25.5	24.5	25.0	26.0	24.0	25.0	18.5	17.5	18.0
22	---	---	---	26.0	24.0	25.0	26.0	24.0	25.0	17.5	17.0	17.5
23	---	---	---	26.5	24.5	25.5	25.5	24.0	24.5	18.0	17.0	17.5
24	---	---	---	27.0	25.0	26.0	26.5	23.5	25.0	17.5	17.5	17.5
25	---	---	---	28.0	25.5	26.5	26.0	24.0	25.0	18.0	17.0	17.5
26	---	---	---	26.0	25.5	26.0	26.5	24.0	25.0	17.5	17.0	17.5
27	24.0	23.5	24.0	25.5	25.5	25.5	27.0	24.5	25.5	18.0	17.0	17.5
28	24.0	23.0	23.5	---	---	---	---	---	---	18.0	17.5	18.0
29	24.5	24.0	24.0	---	---	---	---	---	---	18.0	17.5	18.0
30	24.0	23.0	23.5	---	---	---	---	---	---	18.5	17.5	18.0
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	28.0	22.0	24.5	---	---	---	30.5	17.0	20.5
YEAR	30.5	5.5	19.5									

01127000 QUINEBAUG RIVER AT JEWETT CITY, CONN.

LOCATION.--Lat 41°35'52", long 71°59'05", New London County, at gaging station on left bank in rear of high school on Slater Avenue at Jewett City, 570 ft (174 m) downstream from outlet of canal from Wedgewood Mills at mouth of Pachaug River, 1,000 ft (305 m) downstream from railroad bridge and at mile 6.1 (9.8 km).

DRAINAGE AREA.--715 mi^2 (1,852 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1955 to September 1956, June 1968 to September 1973.
Water temperatures: October 1955 to September 1956, October 1958 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
16...	1145	2	794	6.8	340	30	6.9	1.4	10	2.0	17
16...	1145	3	794	--	--	--	--	--	--	--	--
NOV.											
13...	1115	2	2120	6.8	340	30	6.1	1.2	6.6	1.7	12
13...	1115	3	2120	--	--	--	--	--	--	--	--
DEC.											
11...	1205	2	5560	6.4	160	30	6.5	1.7	6.0	1.2	8
11...	1205	3	5560	--	--	--	--	--	--	--	--
JAN.											
08...	1250	2	2310	7.1	180	0	6.2	1.3	6.0	1.0	9
08...	1250	3	2310	--	--	--	--	--	--	--	--
FEB.											
05...	1250	2	6110	5.1	100	40	4.2	.9	6.0	1.2	7
05...	1250	3	6110	--	--	--	--	--	--	--	--
MAR.											
05...	1120	2	2100	6.5	270	50	6.0	1.4	8.1	1.3	13
05...	1120	3	2100	--	--	--	--	--	--	--	--
APR.											
09...	1200	2	2960	5.0	190	0	5.4	1.2	6.9	1.1	11
09...	1200	3	2960	--	--	--	--	--	--	--	--
MAY											
14...	1230	2	1930	4.2	350	20	6.0	1.3	7.3	1.3	12
14...	1230	3	1930	--	--	--	--	--	--	--	--
JUNE											
11...	1140	2	700	4.0	320	30	6.4	1.3	9.0	1.8	22
11...	1140	3	700	--	--	--	--	--	--	--	--
JULY											
09...	0900	2	1130	5.9	450	20	5.6	1.2	7.3	1.4	13
09...	0900	3	1130	--	--	--	--	--	--	--	--
AUG.											
06...	1025	2	680	5.7	310	20	7.5	1.5	12	2.0	22
06...	1025	3	680	--	--	--	--	--	--	--	--
SEP.											
10...	1115	2	434	5.5	420	50	5.8	1.5	11	3.0	18
10...	1115	3	434	--	--	--	--	--	--	--	--

01127000 QUINEBAUG RIVER AT JEWETT CITY, CONN.--Continued

EXTREMES.--1972-73:
Water temperatures: Maximum, 29.0 C August 31; minimum, freezing point on many days during December, January, and February.

Period of record:
Water temperatures: Maximum, 29.5°C Aug. 2, 1970; minimum, freezing point on many days during winter months.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1955-56 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	PHOSPHATE (PO4) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.												
16...	0	11	14	.1	.21	.64	.40	.01	--	.40	.74	--
16...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
13...	0	11	10	.1	.12	.37	.29	.01	--	.30	.60	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
11...	0	12	10	.1	.05	.10	.10	.00	--	.40	.51	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
08...	0	12	12	.1	.15	.46	.06	.00	--	.50	.44	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
05...	0	9.5	8.5	.1	.07	.22	.17	.00	--	.50	.53	--
05...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
05...	0	12	11	.1	.09	.28	.19	.01	--	.60	.12	--
05...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
09...	0	12	10	.2	.06	--	.14	.02	.42	.40	.47	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
14...	0	12	9.5	.2	.12	.37	.25	.00	.50	.40	.47	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
11...	0	10	11	.2	.27	--	.70	.04	1.5	1.5	.90	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
09...	0	8.0	10	.2	.16	.49	.14	.00	.62	.61	.56	.680
09...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
06...	0	11	13	.3	.26	.80	.08	.03	.40	.37	.60	.760
06...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
10...	0	11	12	.3	.35	1.0	.50	.01	.36	.36	.52	1.10
10...	--	--	--	--	--	--	--	--	--	--	--	--

01127800 QUINEBAUG RIVER AT JEWETT CITY, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CaMg) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	AIR TEMPERATURE (DEG C)
OCT.											
16...	1.5	62	133	.08	23	9	14	100	6.9	1	12.5
16...	--	--	--	--	--	--	--	106	6.0	--	12.5
NOV.											
13...	1.4	51	292	.07	20	10	10	81	6.7	1	11.5
13...	--	--	--	--	--	--	--	126	6.7	--	11.5
DEC.											
11...	1.0	58	751	.07	23	17	7	70	6.7	1	4.0
11...	--	--	--	--	--	--	--	88	6.2	--	4.0
JAN.											
08...	1.0	55	343	.07	21	13	7	86	7.1	1	-4.0
08...	--	--	--	--	--	--	--	142	6.7	--	-4.0
FEB.											
05...	1.2	42	693	.06	14	8	6	69	6.5	1	--
05...	--	--	--	--	--	--	--	69	6.0	--	--
MAR.											
05...	.91	56	310	.08	21	10	11	91	6.5	2	12.0
05...	--	--	--	--	--	--	--	110	6.6	--	12.0
APR.											
09...	1.0	0	302	.07	18	9	9	78	6.5	1	14.0
09...	--	--	--	--	--	--	--	84	6.9	--	14.0
MAY											
14...	1.2	51	266	.07	20	10	10	81	6.2	1	20.0
14...	--	--	--	--	--	--	--	93	6.6	--	20.0
JUNE											
11...	3.1	62	117	.09	21	3	18	100	6.0	1	30.5
11...	--	--	--	--	--	--	--	109	6.6	--	30.5
JULY											
09...	1.3	49	149	.07	19	8	11	83	6.6	1	26.5
09...	--	--	--	--	--	--	--	89	6.6	--	26.5
AUG.											
06...	1.1	66	121	.09	25	7	18	112	6.7	1	25.0
06...	--	--	--	--	--	--	--	74	6.3	--	25.0
SEP.											
10...	1.4	62	72.7	.08	21	6	15	108	6.5	1	18.0
10...	--	--	--	--	--	--	--	96	6.9	--	18.0

TEMPERATURE (°C) OF WATER, OCTOBER 1972 TO SEPTEMBER 1973
(WATER-STAGE RECORDER WITH TEMPERATURE ATTACHMENT)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	16.0	16.5	---	---	4.0	4.0	4.0	1.5	0.5	0.0	3.5	1.5
2	16.0	16.0	---	---	4.0	3.0	4.0	1.5	---	---	4.0	2.5
3	16.5	15.5	---	---	4.0	3.0	2.0	1.0	2.5	---	4.0	3.5
4	16.0	15.0	---	---	3.5	3.5	1.5	1.0	2.0	1.5	5.0	4.0
5	16.0	15.0	---	---	3.5	3.0	2.0	1.0	2.0	1.0	5.5	4.5
6	16.5	15.5	---	---	5.0	3.0	2.0	0.0	2.0	1.5	5.5	5.0
7	16.5	15.5	---	---	5.5	5.0	0.5	0.0	1.5	1.5	5.0	5.0
8	15.5	15.5	---	---	5.0	3.5	0.5	0.0	2.0	1.5	6.0	5.0
9	15.5	14.5	---	---	4.0	3.5	0.5	0.0	2.0	1.5	6.5	6.0
10	---	---	---	---	4.0	4.0	0.5	0.0	1.5	0.5	6.5	6.0
11	---	---	---	---	4.0	3.0	1.0	0.0	0.5	0.0	6.0	5.5
12	---	---	---	---	3.0	1.5	1.0	0.0	1.0	0.0	7.0	6.0
13	---	---	8.0	---	2.0	1.5	1.0	0.0	1.0	0.0	8.5	7.0
14	---	---	8.0	7.0	2.5	2.0	1.0	0.0	---	---	8.5	8.0
15	---	---	7.0	5.5	2.0	1.5	1.0	0.5	2.0	---	8.0	8.0
16	---	---	5.5	4.5	1.5	0.5	1.0	0.0	2.0	1.0	8.5	8.0
17	---	---	4.5	4.0	0.5	0.0	1.0	0.5	1.0	0.0	9.5	8.5
18	---	---	4.0	4.0	0.0	0.0	1.5	0.5	1.0	0.0	9.0	7.5
19	---	---	4.0	4.0	0.0	0.0	1.5	0.5	1.5	0.0	7.5	6.5
20	---	---	5.0	4.0	0.5	0.0	2.0	1.0	1.5	0.5	7.0	6.0
21	---	---	5.0	4.5	0.5	0.5	1.5	0.5	3.0	1.0	6.0	5.5
22	---	---	4.5	3.5	1.0	0.5	1.5	0.5	3.5	2.0	5.5	4.5
23	---	---	3.5	3.0	1.0	0.5	3.0	1.5	3.5	2.0	5.5	4.5
24	---	---	3.0	2.0	1.5	1.0	2.5	1.5	3.5	2.0	6.5	4.5
25	---	---	3.0	2.0	2.0	1.0	2.0	1.5	3.0	1.5	7.0	5.5
26	---	---	4.5	2.0	2.5	2.0	2.0	1.0	3.5	2.0	7.5	7.0
27	---	---	5.0	4.5	2.5	2.0	2.0	1.5	3.0	1.5	8.0	7.0
28	---	---	5.0	4.5	2.5	1.5	2.0	1.5	2.5	1.0	8.5	7.0
29	---	---	5.0	4.5	2.0	1.0	2.0	1.0	---	---	8.5	7.0
30	---	---	4.5	4.0	1.5	1.0	1.0	0.0	---	---	8.5	7.5
31	---	---	---	---	1.5	0.5	0.5	0.0	---	---	8.0	8.0
MONTH	---	---	---	---	5.5	0.0	4.0	0.0	3.5	0.0	9.5	1.5

01127000 QUINEBAUG RIVER AT JEWETT CITY, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	TEMP-ERATURE (DEG C)
OCT.											
10...	--	--	--	--	--	--	46	.9	3	--	10.0
10...	10.0	88	--	26000	11000	9300	--	--	--	--	10.0
NOV.											
13...	--	--	--	--	--	--	39	.6	--	--	7.0
13...	10.0	82	--	37000	4800	3100	--	--	--	--	7.0
DEC.											
11...	--	--	--	--	--	--	35	.5	--	--	4.0
11...	11.8	90	--	5500	1600	800	--	--	--	--	4.0
JAN.											
08...	--	--	--	--	--	--	44	.8	--	--	0.5
08...	12.8	87	--	9200	2000	1700	--	--	--	--	0.5
FEB.											
05...	--	--	--	--	--	--	45	.7	--	--	2.0
05...	--	--	--	1700	440	640	--	--	--	--	2.0
MAR.											
05...	--	--	--	--	--	--	44	.8	--	--	5.0
05...	9.3	73	--	1200	300	440	--	--	--	--	5.0
APR.											
09...	--	--	--	--	--	--	43	.7	2	--	9.0
09...	8.8	69	--	2800	900	1400	--	--	--	--	9.0
MAY											
14...	--	--	--	--	--	--	42	.7	--	--	16.5
14...	8.8	98	--	10000	--	60	--	--	--	--	16.5
JUNE											
11...	--	--	--	--	--	--	45	.8	--	--	25.5
11...	7.0	84	--	550	150	140	--	--	--	--	25.5
JULY											
09...	--	--	--	--	--	--	43	.7	0	--	28.0
09...	7.1	90	--	3700	75	210	--	--	--	--	28.0
AUG.											
08...	--	--	14	--	--	--	49	1.0	--	.04	25.5
08...	7.3	90	--	7000	570	330	--	--	--	--	25.5
SEP.											
10...	--	--	--	--	--	--	49	1.1	--	--	20.0
10...	9.2	100	--	7900	140	190	--	--	--	--	20.0

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

(WATER-STAGE RECORDER WITH TEMPERATURE ATTACHMENT)

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	8.5	7.5	14.0	13.0	19.5	18.5	23.5	22.5	27.0	25.0	27.0	24.5
2	8.5	8.0	15.0	14.0	21.0	19.0	24.5	23.5	25.5	24.5	27.5	25.5
3	8.0	7.0	16.0	15.0	---	---	24.5	24.0	27.5	25.0	28.0	25.5
4	7.5	7.0	17.0	16.0	20.0	19.0	24.5	24.0	27.0	24.5	28.0	25.5
5	7.5	7.0	16.0	15.0	20.5	19.5	24.5	24.0	27.0	24.0	26.0	24.5
6	8.0	7.0	15.5	14.5	21.5	20.5	25.0	24.0	27.0	24.5	25.0	24.0
7	8.5	7.0	16.0	14.0	23.0	21.5	25.0	23.5	26.5	24.0	24.5	23.0
8	9.0	8.0	15.5	14.0	23.5	22.0	26.0	24.5	26.5	24.5	23.0	21.0
9	9.0	7.5	16.5	14.5	24.5	23.0	26.5	25.5	27.0	25.0	22.0	20.5
10	9.0	8.5	15.5	14.0	26.0	23.5	28.0	26.0	27.5	25.5	21.5	19.0
11	8.5	8.0	16.5	15.5	26.0	23.5	26.5	25.5	27.0	25.5	21.0	18.5
12	9.0	7.0	16.5	16.0	26.5	24.5	25.5	24.5	27.0	25.5	21.5	19.0
13	8.5	7.0	16.5	16.0	25.5	24.5	24.5	23.5	26.0	25.5	20.5	18.5
14	8.5	7.5	16.5	16.0	26.0	24.0	24.5	23.5	27.0	24.5	19.0	18.0
15	9.5	8.0	16.0	15.5	24.0	23.0	23.5	23.0	25.0	23.0	19.0	18.0
16	11.0	9.5	16.5	15.5	23.0	22.5	25.0	23.0	23.0	21.5	20.0	17.5
17	11.5	10.5	17.0	15.5	23.5	21.5	24.5	23.0	22.5	21.5	19.5	17.5
18	13.0	11.5	16.5	15.5	21.5	21.0	25.0	22.0	23.0	22.0	18.5	17.5
19	14.5	13.0	16.0	15.0	21.5	20.5	24.5	22.0	23.5	22.5	19.0	17.0
20	15.5	13.5	16.0	15.0	22.0	20.5	24.5	23.0	23.5	22.0	17.5	16.5
21	14.5	13.5	16.0	15.5	22.0	21.5	24.0	23.5	24.0	22.0	18.0	16.0
22	15.5	13.5	15.5	15.0	22.0	21.5	26.0	23.5	22.0	21.0	16.0	15.5
23	16.5	15.0	15.5	14.5	22.0	21.5	26.0	23.5	23.5	20.5	17.0	16.0
24	18.0	16.0	16.0	15.5	23.0	21.5	26.5	23.5	23.5	21.0	17.0	16.5
25	16.5	15.5	15.5	14.5	---	---	25.5	23.5	23.5	21.0	18.0	16.0
26	14.0	14.5	14.5	13.5	---	---	26.0	24.0	24.0	21.5	17.5	16.0
27	14.5	12.0	14.5	13.5	23.5	23.5	26.5	24.0	25.0	22.0	17.5	16.0
28	12.0	11.5	14.5	14.0	24.0	23.5	25.5	24.0	25.0	24.0	18.5	17.0
29	12.0	12.0	16.0	14.5	24.0	23.5	26.0	24.0	27.0	24.0	18.5	16.5
30	13.0	11.5	18.0	16.0	23.5	23.0	27.0	24.0	26.5	24.5	18.0	16.0
31	---	---	19.0	18.0	---	---	26.5	24.5	24.0	25.5	---	---
MONTH	18.0	7.0	19.0	13.0	6.5	18.5	28.0	22.0	29.0	20.5	28.0	15.5
YEAR					27.0	8.0						

01127500 YANTIC RIVER AT YANTIC, CONN.

LOCATION.--Lat 41°33'31", long 72°07'19", New London County, at gaging station on left bank at Yantic, 700 ft (213 m) downstream from stone-arch highway bridge, 1 mile (2 km) downstream from Susquetonscut Brook, and 4.8 miles (7.7 km) upstream from mouth.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
16...	1340	2	88	8.8	310	0	8.1	1.6	5.7	2.7	16
16...	1340	3	88	--	--	--	--	--	--	--	--
NOV.											
13...	1300	2	235	7.7	230	20	7.7	1.5	4.0	2.2	12
13...	1300	3	235	--	--	--	--	--	--	--	--
DEC.											
11...	1420	2	690	6.5	110	0	7.6	1.2	4.0	1.6	9
11...	1420	3	690	--	--	--	--	--	--	--	--
JAN.											
08...	1400	2	450	8.2	170	30	8.5	1.6	4.0	1.6	9
08...	1400	3	450	--	--	--	--	--	--	--	--
FEB.											
05...	1400	2	720	5.3	90	10	6.0	1.1	4.0	1.6	7
05...	1400	3	720	--	--	--	--	--	--	--	--
MAR.											
05...	1245	2	380	6.5	110	40	6.9	1.6	4.0	1.5	10
05...	1245	3	380	--	--	--	--	--	--	--	--
APR.											
09...	1345	2	425	5.7	110	0	6.1	1.3	4.0	1.3	12
09...	1345	3	425	--	--	--	--	--	--	--	--
MAY											
14...	1330	2	195	6.1	200	10	6.2	1.6	4.0	1.5	13
14...	1330	3	195	--	--	--	--	--	--	--	--
JUNE											
11...	1305	2	45	7.6	370	50	8.7	1.5	4.1	1.9	20
11...	1305	3	45	--	--	--	--	--	--	--	--
JULY											
09...	1015	2	59	7.9	450	30	7.6	1.6	5.0	2.0	18
09...	1015	3	59	--	--	--	--	--	--	--	--
AUG.											
06...	1135	2	41	8.6	360	40	8.0	1.5	6.7	2.0	20
06...	1135	3	41	--	--	--	--	--	--	--	--
SEP.											
10...	1240	2	25	8.0	430	60	9.0	1.7	8.7	3.0	20
10...	1240	3	25	--	--	--	--	--	--	--	--

01127500 YANTIC RIVER AT YANTIC, CONN.--Continued

DRAINAGE AREA.--90.0 mi² (233.1 km²).

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1958, June 1968 to September 1971.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	PHOSPHATE (PO4) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)
OCT.												
16...	0	13	11	.1	--	.03	.11	.16	.00	--	.40	--
16...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
13...	0	14	9.5	.0	.14	.04	--	.13	.00	--	.40	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
11...	0	12	7.2	.1	--	.03	.11	.00	.00	--	.60	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
08...	0	12	9.0	.0	--	.03	.10	.05	.00	--	.00	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
05...	0	10	6.2	.0	--	.03	.09	.07	.00	--	.90	--
05...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
05...	0	11	6.5	.0	--	.02	.00	.00	.00	--	.00	--
05...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
09...	0	12	6.5	.1	--	.01	.06	.10	.00	.70	.70	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
14...	0	11	6.0	.2	--	.03	.10	.12	.00	.50	.40	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
11...	0	9.1	12	.2	--	.17	.04	.12	.00	.80	.71	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
09...	0	6.0	9.5	.2	--	.06	.14	.12	.00	.90	.09	.130
09...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
06...	0	9.7	12	.3	--	.05	.17	.04	.01	.60	.02	.630
06...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
10...	0	11	14	.2	--	.09	.20	.16	.00	.51	.51	.120
10...	--	--	--	--	--	--	--	--	--	--	--	--

THAMES RIVER BASIN

01127500 YANTIC RIVER AT YANTIC, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	ORGANIC NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)
OCT.											
10...	.41	.99	61	14.5	.08	27	14	13	92	6.8	1
16...	--	--	--	--	--	--	--	--	105	6.9	--
NOV.											
13...	.50	1.0	50	35.5	.08	25	16	10	82	6.7	1
13...	--	--	--	--	--	--	--	--	96	7.0	--
DEC.											
11...	.35	1.0	48	89.6	.07	23	16	7	68	6.8	1
11...	--	--	--	--	--	--	--	--	123	6.1	--
JAN.											
08...	.29	1.1	56	65.6	.07	27	20	7	83	6.5	1
08...	--	--	--	--	--	--	--	--	124	6.8	--
FEB.											
05...	.22	1.1	41	79.7	.06	17	11	6	64	6.7	1
05...	--	--	--	--	--	--	--	--	67	6.8	--
MAR.											
05...	.06	1.5	49	50.3	.07	23	15	8	79	6.5	1
05...	--	--	--	--	--	--	--	--	96	6.8	--
APR.											
09...	.32	1.1	49	50.2	.07	21	11	10	72	6.7	1
09...	--	--	--	--	--	--	--	--	82	6.8	--
MAY											
14...	1.0	1.6	40	25.3	.07	21	11	11	76	6.3	1
14...	--	--	--	--	--	--	--	--	87	6.5	--
JUNE											
11...	.45	1.3	64	7.78	.09	29	11	16	95	6.9	1
11...	--	--	--	--	--	--	--	--	110	6.7	--
JULY											
09...	.21	1.2	56	6.62	.08	25	10	15	96	6.6	1
09...	--	--	--	--	--	--	--	--	87	6.6	--
AUG.											
06...	.36	.87	62	6.00	.08	26	10	16	97	6.7	1
06...	--	--	--	--	--	--	--	--	123	6.8	--
SEP.											
10...	.14	--	71	4.79	.10	31	12	20	115	6.9	1
10...	--	--	--	--	--	--	--	--	110	6.3	--

01127500 YANTIC RIVER AT YANTIC, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	TEMPERATURE (DEG C)
OCT.												
16...	10.5	--	--	--	--	--	--	29	.5	2	--	8.5
16...	10.5	9.7	83	--	--	380	220	--	--	--	--	8.5
NOV.												
13...	10.0	--	--	--	--	--	--	27	.6	--	--	8.0
13...	10.0	9.6	79	--	5000	540	170	--	--	--	--	8.0
DEC.												
11...	3.5	--	--	--	--	--	--	28	.6	--	--	4.5
11...	3.5	10.7	90	--	420	100	690	--	--	--	--	4.5
JAN.												
08...	<7.0	--	--	--	--	--	--	27	.6	4	--	1.0
08...	<7.0	12.4	85	--	320	110	44	--	--	--	--	1.0
FEB.												
05...	--	--	--	--	--	--	--	32	.6	--	--	2.0
05...	--	--	--	--	480	100	64	--	--	--	--	2.0
MAR.												
05...	14.5	--	--	--	--	--	--	30	.6	--	--	4.5
05...	14.5	9.0	89	--	200	100	40	--	--	--	--	4.5
APR.												
09...	14.0	--	--	--	--	--	--	30	.6	1	--	7.5
09...	14.0	8.8	73	--	120	52	8	--	--	--	--	7.5
MAY												
14...	22.0	--	--	--	--	--	--	31	.5	--	--	15.0
14...	22.0	8.5	83	--	1600	--	42	--	--	--	--	15.0
JUNE												
11...	34.0	--	--	--	--	--	--	40	.7	--	--	24.0
11...	34.0	6.6	70	--	2200	500	430	--	--	--	--	24.0
JULY												
09...	30.0	--	--	--	--	--	--	31	.5	0	--	29.0
09...	30.0	6.6	85	--	9200	870	2400	--	--	--	--	29.0
AUG.												
06...	29.5	--	--	14	--	--	--	33	.6	--	.01	22.0
06...	29.5	6.6	82	--	10000	470	160	--	--	--	--	22.0
SEP.												
18...	21	--	--	--	--	--	--	35	.7	--	--	16.0
18...	21	8.2	89	--	350	10	45	--	--	--	--	16.0

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.

LOCATION.--Lat 42°02'57", long 72°36'35", Hampden County, on right bank at Agawam, Mass., 1.4 mi (2.3 km) upstream from Massachusetts-Connecticut State line, and 4.5 mi (7.2 km) upstream from gaging station at Thompsonville, Conn.

DRAINAGE AREA.--9,661 mi^2 (25,022 km^2) at gage at Thompsonville, Conn.

PERIOD OF RECORD.--Chemical analyses: January 1969 to September 1973.
Water temperatures: January 1969 to September 1973.
Prior to October 1971, published as 01184000 Connecticut River at Thompsonville, Conn.

EXTREMES.--1972-73:
Specific conductance: Maximum, 260 micromhos Feb. 3; minimum, 61 micromhos Nov. 27, May 21.
pH: Maximum, 8.2 Sept. 13; minimum, 6.5 Apr. 17, 18.
Dissolved oxygen: Maximum recorded, 15.2 mg/l Mar. 11; minimum, 2.7 mg/l Sept. 7.
Water temperatures: Maximum recorded, 31.0°C Sept. 3; minimum, freezing point on several days during winter period.

Period of record:
Specific conductance: Maximum, 260 micromhos Feb. 3, 1973; minimum, 49 micromhos Apr. 23, 1969.
pH: Maximum, 9.7 Aug. 9, 1970; minimum, 5.8 Oct. 26, 1971.
Dissolved oxygen: Maximum, 15.9 mg/l Feb. 17, 1971; minimum, 1.0 mg/l Aug. 20, 1971.
Water temperatures: Maximum, 31.5°C Aug. 16, 1970; minimum, freezing point on several days during winter periods.

REMARKS.--Figures of daily discharge for gaging station at Thompsonville, Conn. (sta 01184000) are used for this site. Samples for previously published monthly chemical analyses were taken at gaging station at Thompsonville.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HC)3) (MG/L)	CAR-BONATE (CO3) (MG/L)
MAY 11..	1200	2	.7	8.6	1.6	5.3	.8	22	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/G)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRATE (N) MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL IRON (FE) (MG/L)
MAY 11..	10	8.3	.2	.046	.10	.01	.03	.02	.21	670

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA LINITY AS CACO3 (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	TOTAL MAN-GANESE (MN) (UG/L)
MAY 11..	47	.06	28	10	18	89	7.7	28	.4	70

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) . WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	157	149	152	137	135	136	101	79	95	172	93	135
2	154	147	150	141	137	140	98	83	89	89	76	82
3	156	147	152	140	134	138	91	86	88	76	71	73
4	158	154	156	135	109	117	95	90	91	108	71	84
5	156	150	153	120	107	113	117	99	113	120	108	114
6	153	143	147	127	118	121	117	97	107	119	93	102
7	153	139	147	125	117	121	89	68	73	112	99	106
8	---	---	---	122	112	120	90	68	74	114	109	111
9	---	---	---	112	68	89	107	88	101	124	109	113
10	---	---	---	86	67	75	96	81	85	135	117	126
11	---	---	---	91	85	87	82	77	79	125	112	120
12	---	---	---	97	91	95	88	80	84	116	112	114
13	147	144	146	94	91	92	124	85	100	121	115	116
14	147	141	145	94	90	92	120	94	101	131	121	125
15	142	136	140	106	92	97	96	90	93	135	127	130
16	141	137	139	93	89	91	102	91	95	137	121	132
17	141	137	139	100	91	96	110	101	106	124	115	120
18	144	122	137	101	98	99	113	106	110	117	112	115
19	---	---	---	106	101	104	108	101	104	119	112	115
20	134	128	131	110	92	104	110	101	104	119	89	107
21	136	129	132	87	72	79	106	102	104	87	82	85
22	140	135	137	85	80	83	173	105	138	87	82	85
23	148	140	144	89	80	84	168	112	129	85	77	80
24	145	139	142	94	83	88	113	108	111	77	74	75
25	142	128	138	100	94	97	110	108	109	84	72	78
26	137	130	134	99	67	93	115	109	112	87	84	85
27	139	133	135	71	61	66	116	112	113	87	82	84
28	141	137	140	65	63	64	118	113	116	89	84	86
29	142	137	140	72	65	69	121	116	118	90	87	88
30	143	136	140	78	71	74	128	119	121	95	88	91
31	142	136	139	---	---	---	174	131	154	97	94	95
MONTH	158	122	142	141	61	97	174	68	104	172	71	102

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	100	97	98	135	126	129	---	---	---	---	---	---
2	236	98	148	139	127	132	---	---	---	---	---	---
3	268	97	147	131	125	128	---	---	---	---	---	---
4	87	77	82	144	124	129	---	---	---	96	94	96
5	76	74	75	131	102	114	---	---	---	101	94	97
6	81	72	76	103	87	92	---	---	---	100	97	98
7	87	80	83	91	87	89	---	---	---	100	98	99
8	95	85	90	97	91	93	---	---	---	103	99	100
9	95	90	93	88	75	78	---	---	---	106	103	105
10	103	89	96	79	74	76	---	---	---	106	91	100
11	112	104	108	80	78	79	---	---	---	92	72	88
12	116	109	112	84	80	82	---	---	---	76	69	73
13	111	103	108	82	71	76	87	86	87	79	77	77
14	113	106	110	71	67	69	95	84	90	86	79	83
15	132	106	120	75	71	73	101	95	98	90	83	87
16	141	107	120	76	73	75	102	99	100	91	79	86
17	118	107	113	74	68	72	110	97	104	78	71	74
18	122	117	121	68	63	66	106	101	105	77	73	75
19	131	118	122	67	63	65	105	102	104	72	67	68
20	134	122	127	---	---	---	104	94	99	75	68	72
21	125	120	123	---	---	---	96	94	95	79	61	72
22	138	121	127	---	---	---	95	93	94	67	64	65
23	128	121	125	---	---	---	---	---	---	72	66	69
24	125	120	122	---	---	---	---	---	---	74	70	71
25	129	118	123	---	---	---	---	---	---	77	74	75
26	186	130	146	---	---	---	---	---	---	84	76	80
27	153	132	144	---	---	---	---	---	---	87	83	85
28	132	126	128	---	---	---	---	---	---	87	84	86
29	---	---	---	---	---	---	---	---	---	90	84	88
30	---	---	---	---	---	---	---	---	---	86	79	83
31	---	---	---	---	---	---	---	---	---	90	84	87
MONTH	268	72	114	---	---	---	---	---	---	106	61	84

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	92	84	88	---	---	---	148	145	147	151	148	149
2	96	90	92	---	---	---	151	136	145	164	150	156
3	99	94	96	---	---	---	137	109	126	177	159	162
4	103	99	100	---	---	---	120	108	114	168	160	163
5	113	102	107	---	---	---	124	119	121	162	158	160
6	110	102	107	---	---	---	128	121	125	162	149	154
7	103	100	101	---	---	---	125	120	123	156	142	148
8	104	98	102	---	---	---	129	122	127	147	142	144
9	108	103	107	---	---	---	128	119	123	147	138	141
10	121	106	113	---	---	---	125	120	123	152	140	147
11	126	119	122	---	---	---	129	122	126	147	139	143
12	120	103	112	---	---	---	133	130	131	154	142	146
13	110	100	106	---	---	---	---	---	---	152	145	149
14	113	104	109	---	---	---	---	---	---	155	147	150
15	107	100	102	---	---	---	138	135	136	154	147	150
16	116	106	111	---	---	---	139	136	138	156	148	150
17	119	114	116	---	---	---	141	136	138	163	152	158
18	119	110	114	134	124	130	146	139	141	154	139	146
19	119	107	113	134	130	133	150	141	146	145	140	142
20	110	103	107	140	133	137	150	141	145	147	141	144
21	113	101	109	139	133	135	152	147	150	149	145	147
22	110	95	103	148	134	141	153	148	150	150	145	147
23	113	106	110	148	138	142	152	146	149	150	147	148
24	110	106	108	153	138	145	151	146	149	149	141	145
25	107	102	105	159	145	151	147	138	143	142	136	140
26	114	105	108	151	145	147	156	144	146	146	141	143
27	116	104	113	147	140	145	155	149	152	143	140	141
28	121	115	118	146	141	143	153	144	148	147	140	143
29	133	102	115	146	140	142	146	139	142	152	144	148
30	101	90	96	148	141	144	146	141	143	149	145	146
31	---	---	---	148	144	145	151	144	147	---	---	---
MONTH	133	84	107	---	---	---	156	108	138	177	136	148

PH (UNITS) , WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.8	6.9	7.0	7.0	7.0	---	---	---	6.9	6.8	6.9
2	7.0	6.8	6.9	7.0	7.0	7.0	---	---	---	7.2	6.8	6.9
3	7.0	6.8	6.9	7.0	6.9	7.0	---	---	---	6.9	6.8	6.8
4	7.0	6.8	6.9	7.1	7.0	7.0	---	---	---	6.8	6.8	6.8
5	6.9	6.7	6.8	7.1	6.9	7.0	---	---	---	6.9	6.8	6.8
6	7.1	6.7	6.9	7.2	7.1	7.1	---	---	---	6.8	6.8	6.8
7	6.9	6.8	6.8	7.2	7.1	7.2	---	---	---	6.8	6.7	6.7
8	---	---	---	7.2	7.1	7.1	7.2	6.9	7.0	6.9	6.7	6.8
9	---	---	---	7.2	6.9	7.0	7.2	7.1	7.1	6.9	6.6	6.8
10	---	---	---	7.2	7.0	7.1	7.1	7.0	7.0	6.8	6.6	6.7
11	---	---	---	7.3	7.2	7.2	7.1	7.0	7.0	6.8	6.7	6.8
12	---	---	---	7.3	7.2	7.3	7.1	7.0	7.1	7.0	6.9	6.9
13	7.2	7.0	7.1	7.3	7.2	7.2	7.1	7.0	7.0	6.9	6.9	6.9
14	7.3	7.0	7.2	7.2	7.1	7.2	7.0	7.0	7.0	6.9	6.8	6.9
15	7.2	7.0	7.0	7.2	7.1	7.2	7.1	7.0	7.0	6.9	6.8	6.9
16	7.2	7.0	7.1	7.3	7.2	7.2	7.1	7.0	7.0	6.9	6.8	6.9
17	---	7.1	7.1	7.2	7.2	7.2	7.1	6.9	7.0	7.0	7.0	7.0
18	7.3	---	---	---	---	---	7.2	6.9	7.1	7.0	7.0	7.0
19	---	---	---	---	---	---	7.2	7.1	7.2	7.1	7.1	7.1
20	7.2	7.0	7.1	---	---	---	7.2	7.1	7.1	7.1	7.1	7.1
21	7.1	7.0	7.1	---	---	---	7.2	7.0	7.1	7.2	7.1	7.2
22	7.1	7.0	7.0	---	---	---	7.0	7.0	7.0	7.2	7.1	7.1
23	7.0	6.9	6.9	---	---	---	7.0	6.9	6.9	7.1	7.0	7.1
24	6.9	6.8	6.8	---	---	---	7.0	6.9	7.0	7.1	6.8	6.9
25	6.9	6.7	6.8	---	---	---	7.0	6.9	7.0	6.9	6.8	6.8
26	6.9	6.8	6.9	---	---	---	7.0	6.9	6.9	6.9	6.8	6.8
27	6.9	6.7	6.8	---	---	---	6.9	6.8	6.9	6.8	6.8	6.8
28	6.8	6.8	6.8	---	---	---	6.9	6.8	6.9	6.8	6.8	6.8
29	6.8	6.7	6.8	---	---	---	7.0	6.9	6.9	6.9	6.8	6.8
30	6.9	6.7	6.8	---	---	---	7.0	6.9	6.9	6.9	6.8	6.8
31	7.0	6.9	7.0	---	---	---	6.9	6.9	6.9	6.9	6.8	6.8
MONTH	---	---	---	---	---	---	---	---	---	7.2	6.6	6.9

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

PH (UNITS), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.8	6.8	6.8	6.7	6.7	---	---	---	---	---	---
2	6.9	6.7	6.9	6.9	6.7	6.7	---	---	---	---	---	---
3	6.9	6.7	6.8	6.8	6.7	6.7	---	---	---	---	---	---
4	6.9	6.8	6.9	6.8	6.7	6.8	---	---	---	7.1	7.0	7.1
5	6.9	6.9	6.9	6.8	6.8	6.8	---	---	---	7.1	6.9	6.9
6	6.9	6.9	6.9	6.8	6.8	6.8	---	---	---	7.1	7.0	7.1
7	7.0	6.9	6.9	6.9	6.9	6.9	---	---	---	7.1	7.0	7.1
8	7.0	6.9	6.9	7.0	6.9	7.3	---	---	---	7.1	7.0	7.0
9	7.1	6.9	7.0	7.0	7.0	7.0	---	---	---	7.0	7.0	7.0
10	7.0	6.9	6.9	7.1	7.0	7.0	---	---	---	7.1	7.0	7.1
11	6.9	6.8	6.9	7.1	7.0	7.1	---	---	---	7.1	7.0	7.0
12	7.0	6.8	6.9	7.1	7.0	7.1	---	---	---	7.2	7.0	7.1
13	7.0	6.8	6.9	7.1	7.0	7.0	7.1	7.0	7.1	7.1	7.0	7.1
14	6.9	6.8	6.9	7.0	6.9	7.0	7.1	7.1	7.1	7.1	7.0	7.1
15	6.9	6.9	6.9	7.0	7.0	7.0	7.1	7.0	7.1	7.1	7.0	7.0
16	7.0	6.9	7.0	7.1	6.9	6.9	7.1	6.6	6.9	7.0	6.9	7.0
17	7.0	6.9	6.9	6.9	6.7	6.8	6.6	6.5	6.6	7.1	7.0	7.0
18	7.0	6.9	7.0	6.8	6.7	6.7	7.2	6.5	6.8	7.1	6.9	7.0
19	7.0	6.9	7.0	6.8	6.7	6.7	7.2	7.1	7.2	7.1	6.9	7.0
20	7.0	7.0	7.0	---	---	---	7.2	7.1	7.2	7.0	6.9	7.0
21	7.0	7.0	7.0	---	---	---	---	---	---	7.0	6.9	6.9
22	7.0	6.9	7.0	---	---	---	---	---	---	7.1	7.0	7.1
23	7.1	6.9	7.0	---	---	---	---	---	---	7.1	7.0	7.1
24	6.9	6.8	6.8	---	---	---	---	---	---	7.1	7.1	7.1
25	6.8	6.7	6.8	---	---	---	---	---	---	7.1	6.9	7.0
26	6.7	6.6	6.7	---	---	---	---	---	---	7.0	6.8	6.9
27	6.8	6.7	6.7	---	---	---	---	---	---	7.0	6.8	6.9
28	6.8	6.7	6.8	---	---	---	---	---	---	6.9	6.8	6.8
29	---	---	---	---	---	---	---	---	---	6.9	6.7	6.8
30	---	---	---	---	---	---	---	---	---	6.9	6.7	6.8
31	---	---	---	---	---	---	---	---	---	6.9	6.8	6.8
MONTH	7.1	6.6	6.9	---	---	---	---	---	---	7.2	6.7	7.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.8	6.9	---	---	---	7.1	6.8	7.0	7.1	6.8	6.9
2	6.9	6.8	6.9	---	---	---	6.9	6.8	6.9	7.2	6.8	6.9
3	6.9	6.7	6.8	---	---	---	7.0	6.8	6.9	7.4	6.7	6.9
4	6.9	6.8	6.8	---	---	---	7.0	6.8	6.9	7.0	6.6	6.8
5	6.8	6.6	6.7	---	---	---	6.9	6.8	6.8	7.1	6.8	7.0
6	6.7	6.6	6.6	---	---	---	6.9	6.7	6.8	7.1	6.8	7.0
7	6.9	6.6	6.7	---	---	---	7.0	6.7	6.9	7.0	6.8	6.9
8	7.0	6.7	6.8	---	---	---	7.0	6.7	6.8	7.0	6.7	6.9
9	7.0	6.9	6.9	---	---	---	6.8	6.5	6.7	7.3	6.8	6.9
10	6.9	6.8	6.8	---	---	---	6.8	6.6	6.7	7.5	6.8	7.0
11	6.7	6.6	6.6	---	---	---	6.9	6.7	6.8	7.5	6.8	7.1
12	6.7	6.6	6.7	---	---	---	7.1	6.6	6.8	7.3	6.9	7.1
13	6.7	6.6	6.6	---	---	---	---	---	---	6.2	6.9	7.4
14	6.7	6.7	6.7	---	---	---	---	---	---	7.2	7.0	7.1
15	6.8	6.6	6.7	---	---	---	6.9	6.7	6.8	7.0	6.8	6.9
16	6.9	6.7	6.8	---	---	---	6.9	6.7	6.8	7.2	6.8	7.0
17	6.8	6.7	6.8	---	---	---	7.1	6.8	7.0	7.0	6.8	6.9
18	6.9	6.8	6.8	6.9	6.7	6.8	7.2	6.8	7.0	7.2	6.7	6.9
19	7.1	6.9	7.0	6.9	6.8	6.8	7.2	6.8	6.9	7.2	6.8	7.0
20	7.0	6.9	7.0	6.9	6.8	6.8	7.2	6.7	6.9	7.3	6.9	7.1
21	6.9	6.8	6.8	6.9	6.8	6.8	7.3	6.9	7.0	7.3	7.0	7.1
22	6.9	6.8	6.8	6.8	6.7	6.8	7.2	6.7	6.9	7.1	6.9	7.0
23	6.8	6.7	6.8	6.8	6.6	6.7	7.0	6.7	7.0	7.0	6.9	6.9
24	6.9	6.8	6.8	7.0	6.7	6.8	7.0	6.8	7.0	7.0	6.8	6.9
25	6.9	6.8	6.8	7.2	6.7	6.9	7.0	6.7	6.9	7.0	6.9	6.9
26	6.8	6.8	6.8	6.9	6.7	6.8	7.0	6.7	6.9	6.9	6.8	6.9
27	6.8	6.7	6.7	6.9	6.7	6.8	6.9	6.6	6.7	6.9	6.7	6.8
28	6.8	6.7	6.7	7.0	6.7	6.9	6.8	6.5	6.7	6.9	6.7	6.8
29	6.9	6.8	6.8	6.9	6.7	6.8	6.9	6.6	6.8	6.9	6.7	6.4
30	6.9	6.8	6.9	7.0	6.7	6.8	7.1	6.7	6.9	6.8	6.6	6.7
31	---	---	---	7.2	6.7	7.0	7.0	6.7	6.8	---	---	---
MONTH	7.1	6.6	6.8	---	---	---	7.6	6.5	6.9	6.2	6.6	7.0

01103750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.4	3.2	4.5	9.5	8.9	9.1	13.2	12.6	12.8	13.4	12.6	13.0
2	6.6	4.3	5.6	9.9	9.6	9.7	12.9	12.6	12.7	13.6	13.1	13.3
3	6.5	5.4	6.0	9.8	9.0	9.4	13.0	12.5	12.8	14.1	13.3	13.7
4	6.7	4.9	5.7	9.9	9.3	9.6	13.0	12.6	12.8	14.1	13.2	13.8
5	6.2	3.2	5.0	10.6	9.9	10.4	13.4	13.0	13.2	13.3	12.0	12.7
6	5.8	4.0	5.2	10.6	10.1	10.4	13.2	12.2	12.7	13.8	12.0	12.8
7	5.3	3.8	4.4	10.5	10.2	10.3	13.7	12.8	13.2	13.8	13.2	13.5
8	---	---	---	10.6	10.1	10.3	14.6	13.1	14.1	3.5	13.1	13.4
9	---	---	---	11.3	10.3	10.8	14.7	12.5	13.7	13.5	12.6	13.2
10	---	---	---	11.6	10.9	11.3	12.6	12.4	12.5	12.9	12.2	12.6
11	---	---	---	11.1	10.8	11.0	13.0	12.4	12.7	13.1	12.5	12.7
12	---	---	---	11.2	10.9	11.1	13.3	12.4	12.9	13.2	12.7	12.9
13	7.5	7.2	7.3	10.9	10.4	10.6	14.0	12.5	13.1	13.4	12.8	13.2
14	8.9	7.3	8.1	10.7	10.1	10.3	12.9	12.0	12.4	13.5	12.6	13.1
15	8.8	7.5	8.2	11.9	10.6	11.2	13.6	12.2	12.7	13.2	12.0	12.6
16	9.4	8.0	8.7	12.4	11.8	12.2	13.3	12.7	13.1	13.0	11.8	12.5
17	9.2	8.5	8.7	12.3	11.7	12.0	13.0	12.3	12.6	13.3	12.1	12.8
18	9.7	8.5	9.0	12.4	11.7	12.1	12.9	12.1	12.5	13.5	11.8	12.5
19	---	---	---	12.5	11.7	12.0	13.0	12.5	12.8	13.4	11.8	12.6
20	9.1	8.7	8.9	12.0	11.3	11.7	12.8	12.1	12.4	13.5	12.0	12.8
21	9.3	8.7	9.0	12.6	11.8	12.2	12.7	12.4	12.6	13.7	13.1	13.4
22	9.0	8.5	8.7	13.3	12.2	13.0	12.9	11.8	12.3	14.0	13.4	13.7
23	8.5	7.7	8.1	14.1	12.8	13.3	12.3	12.0	12.2	13.7	12.6	13.3
24	7.9	6.8	7.1	14.3	12.5	13.3	12.3	11.7	12.0	13.8	13.2	13.4
25	7.7	6.6	7.1	13.0	12.4	12.7	12.0	11.7	11.8	14.2	13.4	13.8
26	8.3	7.5	7.8	12.8	11.4	12.2	12.2	11.7	11.9	14.2	13.1	13.7
27	7.8	7.4	7.6	12.4	11.8	12.1	12.3	11.9	12.1	13.5	12.5	13.0
28	7.6	7.1	7.4	13.2	12.5	12.9	12.4	11.8	12.1	13.1	12.4	12.7
29	7.4	6.8	7.1	13.0	12.5	12.7	12.7	12.0	12.4	14.1	12.8	13.7
30	8.4	6.9	7.6	13.4	12.6	13.2	13.4	12.8	13.1	14.1	13.6	13.8
31	9.2	8.5	9.0	---	---	---	13.8	13.3	13.6	14.3	13.6	13.9
MONTH	9.7	3.2	7.3	14.3	8.9	11.4	14.7	11.7	12.7	14.3	11.8	13.2

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.1	13.9	14.0	13.8	12.4	13.0	---	---	---	---	---	---
2	14.0	12.9	13.6	13.0	12.3	12.6	---	---	---	---	---	---
3	14.2	13.1	13.8	12.6	12.1	12.2	---	---	---	---	---	---
4	14.2	13.7	13.8	13.1	12.3	12.5	---	---	---	10.3	9.4	9.9
5	14.4	13.7	14.1	13.1	12.3	12.7	---	---	---	10.6	9.6	10.1
6	14.6	14.2	14.4	13.4	12.8	13.1	---	---	---	10.6	9.9	10.2
7	14.4	13.5	14.0	13.5	12.9	13.2	---	---	---	10.6	9.8	10.2
8	13.8	12.3	13.0	13.5	12.9	13.2	---	---	---	9.9	9.3	9.6
9	14.3	12.3	13.3	14.6	13.5	14.2	---	---	---	9.2	8.7	9.0
10	14.4	13.7	14.0	14.8	14.1	14.6	---	---	---	9.1	8.6	8.9
11	14.3	13.5	14.0	15.2	14.4	14.9	---	---	---	8.9	8.1	8.4
12	15.0	13.5	14.1	15.0	13.0	14.0	---	---	---	9.3	8.4	9.0
13	14.2	13.2	13.7	13.6	12.8	13.3	12.0	11.7	11.9	9.3	8.9	9.0
14	13.8	13.4	13.6	14.2	13.2	13.8	12.6	11.9	12.3	9.6	9.0	9.3
15	13.8	13.2	13.4	15.0	13.5	14.3	12.3	11.4	11.9	9.6	9.1	9.3
16	13.9	13.2	13.6	13.5	13.1	13.3	11.8	10.5	11.1	9.6	8.6	9.0
17	14.0	13.4	13.7	13.4	12.3	12.8	11.1	10.4	10.7	9.8	8.9	9.4
18	14.0	13.3	13.6	13.7	12.9	13.5	10.8	10.1	10.4	9.9	9.1	9.5
19	14.0	13.2	13.4	13.8	13.3	13.5	10.7	10.5	10.6	10.7	9.7	10.1
20	13.7	12.4	13.0	---	---	---	11.2	10.6	10.9	10.7	9.0	10.4
21	13.4	12.2	12.7	---	---	---	---	---	---	10.8	10.1	10.3
22	13.1	11.9	12.4	---	---	---	---	---	---	10.8	10.1	10.4
23	13.2	11.9	12.4	---	---	---	---	---	---	11.4	10.7	11.0
24	13.9	12.2	13.0	---	---	---	---	---	---	11.4	10.7	11.2
25	14.0	12.5	13.1	---	---	---	---	---	---	---	---	---
26	13.6	12.2	12.7	---	---	---	---	---	---	---	---	---
27	14.2	12.6	13.4	---	---	---	---	---	---	---	---	---
28	14.4	12.8	13.8	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	9.2	8.1	8.5
31	---	---	---	---	---	---	---	---	---	8.0	7.2	7.6
MONTH	15.0	11.4	13.5	---	---	---	---	---	---	---	---	---

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.7	7.2	7.4	---	---	---	6.0	5.5	5.8	6.3	5.8	6.0
2	7.4	7.0	7.3	---	---	---	6.3	5.6	5.9	5.8	5.4	5.6
3	7.2	6.9	7.1	---	---	---	6.6	6.1	6.3	5.3	4.7	5.1
4	7.6	7.0	7.2	---	---	---	6.5	6.0	6.2	5.0	4.5	4.7
5	7.7	7.2	7.5	---	---	---	6.4	5.8	6.0	4.3	4.1	4.2
6	7.5	7.1	7.3	---	---	---	6.2	5.5	5.4	4.1	3.9	4.0
7	7.6	7.3	7.4	---	---	---	6.2	5.4	5.8	3.9	2.7	3.4
8	8.3	7.5	7.9	---	---	---	6.0	5.4	5.7	4.2	3.1	3.4
9	8.1	7.2	7.7	---	---	---	6.1	5.4	5.8	4.9	3.6	4.3
10	7.7	7.0	7.3	---	---	---	6.3	5.5	5.9	5.1	4.0	4.6
11	7.7	6.6	7.0	---	---	---	6.3	6.0	6.2	5.6	4.1	4.8
12	7.5	6.7	7.1	---	---	---	7.2	5.9	6.5	5.5	4.9	5.3
13	7.3	6.7	6.9	---	---	---	7.1	5.6	6.5	5.7	4.9	5.4
14	7.2	6.9	7.0	---	---	---	6.5	5.5	6.0	5.8	5.4	5.7
15	7.4	7.2	7.3	---	---	---	6.0	5.3	5.6	6.8	5.5	5.7
16	7.4	7.1	7.3	---	---	---	6.7	6.1	6.5	6.1	5.3	5.8
17	7.3	6.8	7.1	---	---	---	6.6	5.9	6.2	6.7	5.9	6.3
18	7.8	7.2	7.4	6.0	5.7	5.9	6.6	6.0	6.1	6.9	6.5	6.7
19	8.2	7.8	7.9	5.9	5.6	5.8	7.1	6.1	6.5	6.9	6.3	6.7
20	8.2	7.7	8.0	5.9	5.7	5.8	6.9	6.3	6.5	7.0	6.6	6.7
21	7.8	7.0	7.3	5.9	5.8	5.8	7.1	6.5	6.7	7.0	6.6	6.7
22	7.6	7.1	7.3	6.0	5.7	5.9	7.3	6.8	7.0	7.2	6.6	6.9
23	7.3	7.0	7.1	5.9	5.8	5.7	7.6	7.0	7.4	7.1	6.9	7.0
24	7.0	6.9	7.0	5.9	5.8	5.7	7.7	7.1	7.5	6.7	6.4	6.5
25	6.9	6.8	6.8	5.9	5.8	5.7	7.7	7.1	7.6	6.8	6.2	6.4
26	7.0	6.7	6.8	6.0	5.7	5.9	7.8	7.1	7.6	6.7	6.2	6.5
27	6.6	6.6	6.6	6.0	5.8	5.8	7.7	7.3	7.6	6.7	6.2	6.5
28	6.7	6.4	6.5	6.2	5.5	5.8	7.7	6.7	6.9	6.7	6.2	6.5
29	6.6	6.3	6.4	6.1	5.7	5.9	7.6	6.7	6.9	6.7	6.1	6.4
30	6.3	6.2	6.2	6.1	5.0	5.6	7.3	6.6	6.9	6.6	6.3	6.5
31	---	---	---	6.1	6.6	5.9	7.5	6.0	6.8	---	---	---
MONTH	8.3	6.2	7.2	---	---	---	7.8	5.3	6.5	7.2	2.7	5.7

TEMPERATURE (DEG. C) OF WATER . WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.0	17.5	18.5	10.0	9.5	9.5	3.0	2.0	2.5	2.5	1.5	2.0
2	18.0	17.0	17.5	9.5	9.0	9.0	2.5	2.0	2.5	2.0	1.5	2.0
3	18.0	16.5	17.5	10.0	9.5	10.0	3.0	2.0	2.5	1.5	1.0	1.5
4	19.0	17.0	17.5	9.5	9.0	9.5	3.0	2.5	3.0	1.5	1.0	1.5
5	18.5	17.0	18.0	9.0	8.0	8.5	2.5	2.0	2.5	2.5	1.5	2.0
6	18.5	17.0	18.0	8.5	7.5	8.0	3.0	2.0	2.5	2.5	0.5	1.5
7	18.0	17.5	17.5	8.0	7.5	7.5	2.5	2.0	2.0	1.0	0.5	0.5
8	---	---	---	8.5	8.0	8.0	2.0	1.0	1.5	0.5	0.5	0.5
9	---	---	---	8.0	7.0	7.5	2.5	1.0	1.5	1.0	0.5	0.5
10	---	---	---	7.5	6.5	7.0	3.0	2.5	2.5	1.0	0.5	0.5
11	---	---	---	7.5	7.0	7.0	3.5	2.5	3.0	1.0	0.5	1.0
12	---	---	---	7.0	6.5	7.0	2.5	1.5	2.0	1.5	0.5	1.0
13	14.0	13.0	13.5	8.0	7.0	7.5	2.5	1.0	2.0	1.5	0.5	1.0
14	13.5	12.5	13.0	8.0	6.5	7.5	3.0	2.0	2.5	1.0	0.5	1.0
15	13.5	11.5	12.5	6.5	4.0	5.5	2.5	1.0	1.5	2.0	1.0	1.5
16	12.0	11.0	11.0	4.0	3.5	4.0	1.0	0.0	0.5	2.5	1.0	1.5
17	12.5	10.5	11.0	4.0	3.5	4.0	1.0	0.0	0.5	2.5	1.0	1.5
18	11.0	10.0	10.5	4.5	3.5	4.0	1.0	0.5	0.5	2.5	1.0	2.0
19	---	---	---	4.0	3.5	4.0	1.0	0.5	1.0	2.5	1.0	2.0
20	10.5	10.0	10.5	4.5	4.0	4.0	1.5	0.5	1.0	2.5	1.0	1.5
21	10.5	9.5	10.0	4.0	3.5	4.0	1.0	1.0	1.0	1.0	0.0	0.5
22	10.0	9.5	9.5	3.5	3.0	3.0	2.0	1.0	1.5	1.5	0.5	1.0
23	11.5	9.5	10.5	3.0	1.5	2.0	2.0	1.5	1.5	1.5	1.0	1.5
24	12.0	11.0	11.5	2.5	1.5	2.0	2.0	1.5	2.0	1.5	0.5	1.0
25	12.0	11.5	11.5	3.5	2.5	3.0	2.5	2.0	2.0	1.5	1.0	1.0
26	12.0	10.5	11.5	5.0	3.5	4.0	3.5	2.5	2.5	1.5	1.0	1.5
27	12.0	10.5	11.5	4.5	4.0	4.0	4.0	3.0	3.5	2.0	1.5	2.0
28	12.0	11.0	11.5	3.5	3.0	3.5	3.0	2.5	3.0	2.5	1.5	2.0
29	11.5	11.5	11.5	4.0	3.5	3.5	3.0	1.5	2.0	2.0	0.5	1.0
30	11.5	10.5	11.0	3.5	3.0	3.0	1.5	1.5	1.5	1.0	0.5	0.5
31	10.5	10.0	10.5	---	---	---	1.5	1.0	1.5	1.0	0.5	0.5
MONTH	19.0	9.5	13.0	10.0	1.5	5.5	4.0	0.0	2.0	2.5	0.0	1.5

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.5	0.5	0.5	3.5	2.0	3.0	---	---	---	---	---	---
2	1.0	0.5	0.5	5.5	3.0	4.5	---	---	---	---	---	---
3	1.0	0.5	0.5	5.0	4.0	4.0	---	---	---	---	---	---
4	1.0	0.5	1.0	4.5	3.0	3.5	---	---	---	14.0	13.5	13.5
5	2.0	1.0	1.5	5.5	3.5	4.5	---	---	---	13.5	12.5	13.0
6	1.5	1.0	1.5	5.0	3.5	4.0	---	---	---	12.5	11.5	12.0
7	2.0	1.5	2.0	3.5	3.0	3.5	---	---	---	13.5	11.0	12.5
8	3.0	2.0	2.5	4.0	3.0	3.5	---	---	---	14.0	12.5	13.0
9	3.0	1.0	2.0	3.5	3.0	3.0	---	---	---	13.0	12.5	13.0
10	1.0	0.5	0.5	3.0	3.0	3.0	---	---	---	13.5	12.0	13.0
11	1.0	0.0	0.5	3.0	2.5	3.0	---	---	---	15.0	13.5	14.0
12	1.5	0.0	0.5	4.5	2.5	3.5	---	---	---	14.0	13.0	13.5
13	2.0	0.5	1.0	5.5	4.5	5.0	4.5	4.0	4.5	13.5	13.0	13.5
14	2.0	0.5	1.5	5.0	3.5	4.0	7.0	4.5	6.0	14.0	13.0	13.5
15	2.0	1.0	1.5	3.5	3.0	3.0	8.0	6.0	7.0	14.0	13.5	14.0
16	2.0	1.0	1.5	5.0	3.5	4.5	9.5	7.0	8.5	14.5	13.0	13.5
17	1.5	0.0	1.0	6.5	5.0	5.5	9.5	8.5	9.0	15.0	13.0	14.0
18	2.0	0.5	1.0	5.5	4.0	4.5	10.0	8.5	9.5	14.5	12.5	13.5
19	2.0	0.5	1.5	4.0	3.0	3.5	10.5	9.5	10.0	12.5	11.5	12.0
20	3.0	1.5	2.5	---	---	---	12.0	10.0	11.0	12.0	12.0	12.0
21	3.0	2.0	2.5	---	---	---	13.5	11.5	12.5	12.5	11.5	12.0
22	3.5	2.0	2.5	---	---	---	13.5	12.5	12.5	12.5	11.5	12.0
23	3.0	2.0	2.5	---	---	---	---	---	---	12.5	12.0	12.0
24	3.0	1.5	2.5	---	---	---	---	---	---	13.5	12.0	12.5
25	3.0	1.5	2.0	---	---	---	---	---	---	14.0	13.5	13.5
26	3.5	2.0	2.5	---	---	---	---	---	---	13.5	13.0	13.0
27	3.0	1.0	2.0	---	---	---	---	---	---	13.5	13.0	13.0
28	3.0	1.0	2.0	---	---	---	---	---	---	13.5	13.0	13.0
29	---	---	---	---	---	---	---	---	---	16.0	13.0	14.5
30	---	---	---	---	---	---	---	---	---	16.0	15.5	16.0
31	---	---	---	---	---	---	---	---	---	17.5	16.0	17.0
MONTH	3.5	0.0	1.5	---	---	---	---	---	---	17.5	11.0	13.5

01181750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.0	17.0	17.5	---	---	---	27.5	26.5	27.0	28.0	26.5	27.5
2	18.5	17.0	18.0	---	---	---	27.0	25.0	26.0	29.5	27.0	28.0
3	19.0	17.5	18.0	---	---	---	25.5	24.5	25.0	31.0	27.0	28.5
4	18.5	17.5	18.0	---	---	---	26.0	24.0	25.0	29.5	27.5	28.5
5	18.5	17.0	18.0	---	---	---	26.5	25.0	25.5	28.5	27.0	28.0
6	19.0	17.5	18.5	---	---	---	27.0	25.0	26.0	27.0	26.0	26.5
7	20.0	19.0	19.0	---	---	---	27.5	25.5	26.5	26.5	25.0	25.5
8	20.5	19.0	20.0	---	---	---	28.0	26.0	27.5	25.0	23.0	24.0
9	21.5	19.5	20.5	---	---	---	28.0	26.0	27.0	24.0	22.0	23.0
10	22.0	20.5	21.0	---	---	---	28.5	26.5	27.5	23.5	21.0	22.0
11	23.5	21.0	22.5	---	---	---	28.0	27.0	27.5	23.0	21.0	22.0
12	24.5	23.0	23.5	---	---	---	28.0	26.0	27.0	22.5	21.5	22.0
13	23.5	22.0	23.0	---	---	---	27.5	24.0	26.5	22.5	20.5	21.5
14	23.0	21.5	22.5	---	---	---	27.0	25.5	26.0	21.0	20.5	21.0
15	22.0	21.5	22.0	---	---	---	26.5	25.5	26.0	21.0	20.0	20.5
16	22.0	20.5	21.5	---	---	---	26.0	25.0	25.5	22.0	19.5	20.5
17	22.0	20.5	21.0	---	---	---	26.5	24.5	25.5	21.5	19.5	20.5
18	21.0	20.0	20.5	24.5	22.5	23.5	26.5	24.5	25.5	20.0	19.0	19.5
19	20.5	19.5	20.0	24.5	22.5	24.0	27.0	25.0	26.0	20.5	18.5	19.5
20	20.0	19.0	19.5	24.5	23.5	24.0	26.5	25.0	25.5	19.5	18.5	19.0
21	20.0	19.0	19.5	24.0	23.0	23.5	26.5	24.5	25.5	19.5	18.0	18.5
22	20.5	19.0	20.0	24.5	22.5	23.5	25.5	24.5	25.0	18.0	17.0	17.5
23	20.5	19.5	20.0	25.5	22.5	24.0	25.5	23.5	24.5	18.5	17.0	17.5
24	21.5	20.0	20.5	26.5	23.0	24.5	26.0	23.5	24.5	17.5	16.5	17.0
25	22.5	20.5	21.5	27.5	24.0	25.5	26.0	23.5	24.5	18.0	16.5	17.0
26	23.0	21.5	22.0	25.0	24.5	24.5	26.0	23.5	25.0	18.0	16.5	17.5
27	22.5	21.5	22.0	25.0	24.0	24.5	26.5	24.5	25.5	18.5	17.0	18.0
28	23.0	21.5	22.5	25.5	24.0	24.5	26.0	25.0	25.5	19.0	18.0	18.5
29	22.5	22.0	22.0	25.5	24.5	25.0	26.5	25.0	26.0	19.0	17.5	18.0
30	22.0	21.5	22.0	27.0	24.5	25.5	27.5	25.5	26.5	19.0	17.0	18.0
31	---	---	---	28.0	25.5	26.5	28.5	26.5	27.5	---	---	---
MONTH	24.5	17.0	20.5	---	---	---	29.5	23.5	26.0	31.0	16.5	21.5
YEAR	31.0	0.0	11.5									

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.
(Radiochemical Station)

LOCATION.--Lat 41°59'14", long 72°36'21", Hartford County, at gaging station on canal of Connecticut Light and Power Co., 1.0 mi (1.6 km) downstream from Thompsonville, and 3.0 mi (4.8 km) downstream from Massachusetts-Connecticut State line, and at mile 68.2 (109.1 km).

DRAINAGE AREA.--9,661 mi^2 (25,022 km^2).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
OCT.												
19...	1015	2	4710	4.5	220	50	15	2.1	9.0	3.1	41	0
19...	1015	3	4710	--	--	--	--	--	--	--	--	--
NOV.												
16...	1130	2	19000	5.0	100	20	10	1.7	5.6	1.5	22	0
16...	1130	3	19000	--	--	--	--	--	--	--	--	--
DEC.												
14...	1020	2	24600	5.6	130	20	9.0	1.5	7.7	.8	18	0
14...	1020	3	24600	--	--	--	--	--	--	--	--	--
JAN.												
11...	1000	2	14700	7.0	290	30	12	1.8	7.0	.9	24	0
11...	1000	3	14700	--	--	--	--	--	--	--	--	--
FEB.												
08...	0950	2	36700	5.3	110	10	7.1	1.3	5.2	.8	17	0
08...	0950	3	36700	--	--	--	--	--	--	--	--	--
MAR.												
08...	1030	2	21800	6.0	230	50	9.4	1.8	5.9	1.1	20	0
08...	1030	3	21800	--	--	--	--	--	--	--	--	--
APR.												
12...	1025	2	42800	5.0	160	20	8.0	1.3	4.0	.7	17	0
12...	1025	3	42800	--	--	--	--	--	--	--	--	--
MAY												
17...	1025	2	29400	5.0	160	0	9.6	1.3	4.6	.9	22	0
17...	1025	3	29400	--	--	--	--	--	--	--	--	--
24...	--	3	51000	--	--	--	--	--	--	--	--	--
JUNE												
14...	0815	2	18200	4.9	160	40	12	1.6	5.9	1.2	33	0
14...	0815	3	18200	--	--	--	--	--	--	--	--	--
JULY												
12...	--	2	20400	5.9	230	40	11	1.5	5.2	1.2	20	0
12...	--	3	20400	--	--	--	--	--	--	--	--	--
AUG.												
09...	0935	2	5940	5.1	50	50	13	1.8	7.4	1.7	36	0
09...	0935	3	5940	--	--	--	--	--	--	--	--	--
SEP.												
13...	0950	2	3760	1.9	30	10	17	2.1	9.0	2.2	48	0
13...	0950	3	3760	--	--	--	--	--	--	--	--	--

RADIOCHEMICAL ANALYSES WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED URANIUM (U) (UG/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
DEC.										
01...	.05	.03	0.8	2.6	3.2	60	0.8	0.9	1.0	18
MAR.										
20...	.03	.03	0.6	1.7	2.2	46	10.0	4.6	5.8	120
JULY										
12...	.07	.04	1.2	2.5	3.2	67	2.3	1.3	1.5	24
AUG.										
09...	.06	.03	<1.3	2.9	3.7	82	<0.4	0.6	0.7	9
SEP.										
13...	.10	.03	<1.5	3.1	3.9	95	0.5	<0.4	<0.4	10

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued
(Radiochemical Station)

PERIOD OF RECORD.--Chemical analyses: October 1955 to September 1956, January 1966 to September 1973.
Water temperatures: October 1955 to September 1956.

REMARKS.--Multiple-parameter monitor on right bank at Agawam, Mass. (sta 01183710).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	TOTAL NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)
OCT.												
19...	14	14	.1	--	.14	.43	.24	.01	.04	.40	.74	.77
19...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
16...	12	9.0	.0	--	.07	.22	.20	.00	.03	.30	.66	.53
16...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
14...	13	14	.1	--	.04	.15	.05	.01	.03	.40	.24	.36
14...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
11...	14	11	.1	--	.06	.21	.18	.02	.08	.38	.56	.51
11...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
08...	11	7.0	.1	--	.04	.13	.06	.00	.02	.40	.21	.28
08...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
08...	13	9.0	.1	--	.13	.40	.09	.00	.03	.50	.41	.33
08...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
12...	12	6.0	.2	--	.04	.13	.09	.00	.01	.30	.38	1.0
12...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
17...	11	6.0	.3	--	.04	.12	.11	.01	.03	.30	.27	.38
17...	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
14...	10	9.4	.2	--	.04	.29	.20	.01	.03	.39	.48	.88
14...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
12...	9.1	7.2	.2	--	.09	.30	.07	.00	.02	.44	.41	.48
12...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
09...	12	18	.3	--	.08	.27	.03	.00	.02	.50	.53	.56
09...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
13...	12	13	.2	--	.14	.43	.02	.01	.04	.13	.56	.58
13...	--	--	--	--	--	--	--	--	--	--	--	--

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)
OCT.												
19...	1.3	86	--	.11	46	12	34	142	7.5	--	6.5	5.0
19...	--	--	--	--	--	--	--	142	7.1	--	6.5	5.0
NOV.												
16...	1.1	59	3030	.08	32	14	18	97	7.1	3	3.0	4.0
16...	--	--	--	--	--	--	--	116	7.1	--	3.0	4.0
DEC.												
14...	.70	63	4100	.09	29	14	15	101	6.5	1	1.5	9.5
14...	--	--	--	--	--	--	--	136	6.0	--	1.5	9.5
JAN.												
11...	1.2	69	2740	.09	37	18	20	116	7.0	--	1.0	-5.0
11...	--	--	--	--	--	--	--	170	6.6	--	1.0	-5.0
FEB.												
08...	.67	48	4760	.07	23	9	14	84	6.9	1	1.0	5.0
08...	--	--	--	--	--	--	--	97	6.8	--	1.0	5.0
MAR.												
08...	1.0	59	3470	.08	31	14	15	96	7.0	8	3.0	7.0
08...	--	--	--	--	--	--	--	104	6.5	--	3.0	7.0
APR.												
12...	.77	47	5430	.06	25	11	14	74	6.8	5	6.0	6.5
12...	--	--	--	--	--	--	--	80	6.9	--	6.0	6.5
MAY												
17...	.69	51	4050	.07	29	11	18	83	7.2	1	13.0	19.0
17...	--	--	--	--	--	--	--	89	6.6	--	13.0	19.0
24...	--	--	--	--	--	--	--	80	6.5	--	13.0	--
JUNE												
14...	1.0	64	3150	.09	37	9	27	109	7.3	1	22.0	29.0
14...	--	--	--	--	--	--	--	112	6.7	--	22.0	29.0
JULY												
12...	.93	57	3140	.08	34	11	23	93	7.1	3	22.0	21.0
12...	--	--	--	--	--	--	--	101	6.3	--	22.0	21.0
AUG.												
09...	1.0	71	1140	.10	40	10	30	123	6.7	--	26.5	32.0
09...	--	--	--	--	--	--	--	83	6.2	--	26.5	32.0
SEP.												
13...	.73	82	820	.11	51	12	39	153	7.2	2	21.0	--
13...	--	--	--	--	--	--	--	155	6.5	--	21.0	--

CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL. UNITS PER 100 ML)	CHLORO-PHYLL A (UG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)
OCT.												
19...	--	--	15	--	--	--	19	20	.6	6	.03	--
19...	6.7	74	--	14000	4200	2400	--	--	--	--	--	--
NOV.												
16...	--	--	12	--	--	--	.3	20	.6	--	.04	--
16...	9.8	93	--	50000	3000	1500	--	--	--	--	--	--
DEC.												
14...	--	--	6	--	--	--	.7	30	.6	--	.01	--
14...	10.0	91	--	4200	1300	1400	--	--	--	--	--	--
JAN.												
11...	--	--	12	--	--	--	.6	20	.5	6	.02	--
11...	6.2	56	--	10000	1500	2400	--	--	--	--	--	--
FEB.												
08...	--	--	11	--	--	--	.8	32	.5	--	.02	--
08...	9.5	85	--	5400	450	2500	--	--	--	--	--	--
MAR.												
08...	--	--	10	--	--	--	.8	20	.5	--	.02	--
08...	11.0	82	--	6600	2150	1700	--	--	--	--	--	--
APR.												
12...	--	--	9	--	--	--	.5	25	.3	3	.02	--
12...	9.0	74	--	2500	520	650	--	--	--	--	--	--
MAY												
17...	--	--	6	--	--	--	.9	20	.6	--	.05	--
17...	7.5	71	--	--	--	--	--	--	--	--	--	--
24...	7.5	69	--	49000	700	550	--	--	--	--	--	--
JUNE												
14...	--	--	11	--	--	--	3.2	25	.6	--	.06	--
14...	6.0	68	--	40000	2900	2400	--	--	--	--	--	--
JULY												
12...	--	--	13	--	--	--	.6	26	.6	8	.03	--
12...	7.4	86	--	8500	1200	190	--	--	--	--	--	--
AUG.												
09...	--	--	13	--	--	--	6.1	20	.5	2	.03	--
09...	6.9	80	--	20500	4300	57	--	--	--	--	--	--
SEP.												
13...	--	--	19	--	--	--	17	20	.6	8	.03	7
13...	6.2	72	--	20600	15000	250	--	--	--	--	--	--

01198000 BURLINGTON BROOK NEAR BURLINGTON, CONN.

LOCATION.--Lat 41°47'10", long 72°57'55", Hartford County, at gaging station on left bank 1.2 miles (1.9 km) north of Burlington, 3 miles (5 km) upstream from mouth, and 3 miles (5 km) southwest of Collinsville.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MANG-ANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
OCT.										
18...	1325	2	3.4	11	270	40	4.9	1.4	5.8	1.8
18...	1325	3	3.4	--	--	--	--	--	--	--
NOV.										
15...	1245	2	27	7.0	--	--	3.8	1.3	4.8	1.2
15...	1245	3	27	--	--	--	--	--	--	--
DEC.										
13...	1250	2	19	7.3	120	60	3.9	1.4	9.1	.8
13...	1250	3	19	--	--	--	--	--	--	--
JAN.										
18...	1245	2	6.0	10	150	70	4.8	1.5	5.4	.5
18...	1245	3	6.0	--	--	--	--	--	--	--
FEB.										
07...	1520	2	13	7.5	170	80	3.5	1.2	4.5	.6
07...	1520	3	13	--	--	--	--	--	--	--
MAR.										
07...	1340	2	12	6.9	140	100	3.6	1.2	4.6	.7
07...	1340	3	12	--	--	--	--	--	--	--
APR.										
11...	1300	2	20	5.8	100	30	4.6	1.3	4.8	.7
11...	1300	3	20	--	--	--	--	--	--	--
MAY										
16...	1350	2	12	6.6	180	70	5.8	1.4	4.5	.7
16...	1350	3	12	--	--	--	--	--	--	--
JUNE										
13...	1100	2	4.0	9.3	220	40	4.4	1.5	5.8	.7
13...	1100	3	4.0	--	--	--	--	--	--	--
JULY										
11...	1110	2	12	9.3	380	110	3.7	1.4	5.2	1.0
11...	1110	3	12	--	--	--	--	--	--	--
AUG.										
08...	1220	2	4.0	11	270	50	4.0	1.5	7.5	1.0
08...	1220	3	4.0	--	--	--	--	--	--	--
SEP.										
12...	1410	2	2.9	11	1400	190	4.9	1.7	6.0	1.2
12...	1410	3	2.9	--	--	--	--	--	--	--

CONNECTICUT RIVER BASIN

01188000 BURLINGTON BROOK NEAR BURLINGTON, CONN.--Continued

DRAINAGE AREA.--4.13 mi² (10.70 km²).

PERIOD OF RECORD.--Chemical analyses: June 1968 to September 1973.
Water temperatures: January 1971 to January 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	PHOSPHATE (PO4) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (DEG C)
OCT.											
18...	11	0	7.6	9.0	.1	.01	.04	.06	.00	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
15...	6	0	9.0	8.7	.0	.01	.05	.13	.00	--	--
15...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
13...	6	0	9.0	10	.1	.01	.04	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
10...	7	0	9.0	9.4	.0	.01	.03	.02	.00	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
07...	5	0	6.0	6.9	.1	.00	.01	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
07...	7	0	7.0	7.7	.1	.00	.02	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
APR.											
11...	5	0	7.2	7.0	.2	.01	.03	.05	.00	.20	--
11...	--	--	--	--	--	--	--	--	--	--	--
MAY											
16...	9	0	6.5	6.7	.2	.01	.03	--	.00	.10	--
16...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
13...	13	0	6.5	10	.2	.01	.05	--	.01	.30	--
13...	--	--	--	--	--	--	--	--	--	--	--
JULY											
11...	9	0	6.6	7.6	.2	.02	.09	.15	.01	.63	.470
11...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
08...	12	0	6.1	10	.1	.00	.01	--	.00	.25	--
08...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
12...	11	0	6.5	11	.2	.00	.02	--	.00	.20	--
12...	--	--	--	--	--	--	--	--	--	--	--

CONNECTICUT RIVER BASIN

01188000 BURLINGTON BROOK NEAR BURLINGTON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	NITRATE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
OCT.										
18...	.20	.24	.50	48	.44	.07	18	9	9	78
18...	--	--	--	--	--	--	--	--	--	80
NOV.										
15...	.20	--	--	36	2.62	.05	13	8	5	53
15...	--	--	--	--	--	--	--	--	--	65
DEC.										
13...	.30	--	--	52	2.67	.07	16	11	5	80
13...	--	--	--	--	--	--	--	--	--	104
JAN.										
10...	.40	.14	.56	44	.71	.06	16	10	6	68
10...	--	--	--	--	--	--	--	--	--	120
FEB.										
07...	.40	--	--	37	1.30	.05	14	10	4	55
07...	--	--	--	--	--	--	--	--	--	56
MAR.										
07...	.30	--	--	36	1.24	.05	12	7	6	54
07...	--	--	--	--	--	--	--	--	--	73
APR.										
11...	.20	.35	.60	34	1.84	.05	15	11	4	52
11...	--	--	--	--	--	--	--	--	--	66
MAY										
16...	.10	--	--	39	1.26	.05	20	13	7	56
16...	--	--	--	--	--	--	--	--	--	71
JUNE										
13...	.29	--	--	46	.60	.06	17	7	11	71
13...	--	--	--	--	--	--	--	--	--	83
JULY										
11...	.61	.32	1.1	43	1.39	.06	15	8	7	63
11...	--	--	--	--	--	--	--	--	--	67
AUG.										
08...	.24	--	--	49	.53	.07	16	6	10	70
08...	--	--	--	--	--	--	--	--	--	76
SEP.										
12...	.26	--	--	51	.40	.07	18	9	9	77
12...	--	--	--	--	--	--	--	--	--	155

CONNECTICUT RIVER BASIN

01198000 BURLINGTON BROOK NEAR BURLINGTON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	PH (UNITS)	TURBIDITY (JTU)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	TEMPERATURE (DEG C)
OCT.											
16...	7.0	1	8.0	--	--	--	--	--	40	.6	7.0
18...	7.4	--	8.0	9.2	75	150	12	8	--	--	7.0
NOV.											
15...	6.7	1	-.5	--	--	--	--	--	38	.5	3.0
15...	6.7	--	-.5	13.5	100	760	150	340	--	--	3.0
DEC.											
13...	6.7	1	5.0	--	--	--	--	--	55	1.0	3.0
13...	6.2	--	5.0	9.0	67	77	19	2	--	--	3.0
JAN.											
10...	6.8	1	-4.0	--	--	--	--	--	41	.6	1.0
10...	6.4	--	-4.0	10.8	74	100	0	4	--	--	1.0
FEB.											
07...	6.6	1	--	--	--	--	--	--	40	.5	2.0
07...	6.9	--	--	--	--	59	0	4	--	--	2.0
MAR.											
07...	6.5	1	5.5	--	--	--	--	--	43	.6	3.0
07...	6.4	--	5.5	9.5	70	5	1	4	--	--	3.0
APR.											
11...	6.2	1	3.5	--	--	--	--	--	35	.4	6.0
11...	6.9	--	3.5	11.6	93	4	1	7	--	--	6.0
MAY											
16...	6.6	1	17.0	--	--	--	--	--	32	.4	13.0
16...	6.3	--	17.0	9.8	92	190	--	9	--	--	13.0
JUNE											
13...	6.9	2	23.0	--	--	--	--	--	41	.6	16.0
13...	6.5	--	23.0	8.2	83	960	310	530	--	--	16.0
JULY											
11...	6.5	3	22.0	--	--	--	--	--	41	.6	19.0
11...	6.3	--	22.0	9.5	102	8400	1200	4800	--	--	19.0
AUG.											
08...	7.1	3	24.5	--	--	--	--	--	47	.8	19.0
08...	6.4	--	24.5	5.3	69	1000	250	760	--	--	19.0
SEP.											
12...	7.0	2	20.5	--	--	--	--	--	43	.7	15.0
12...	6.5	--	20.5	6.2	76	170	60	130	--	--	15.0

01189995 FARMINGTON RIVER AT TARIFFVILLE, CONN.

LOCATION.--Lat 41°54'30", long 72°45'40", Hartford County, at gaging station on right bank at Tariffville, behind house at 20 Tunxis Road, 0.3 mile (0.5 km) downstream from bridge on State Highway 189 and 5.5 mi (8.8 km) upstream from gage at Rainbow.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	CODE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
18...	1500	2	940	5.1	250	20	9.1	1.6	7.2	1.3	23
18...	1500	3	940	--	--	--	--	--	--	--	--
NOV.											
15...	1030	2	3100	6.3	220	20	7.2	1.7	4.9	1.3	16
15...	1030	3	3100	--	--	--	--	--	--	--	--
DEC.											
13...	1455	2	2570	6.5	140	30	8.0	1.6	6.4	.9	15
13...	1455	3	2570	--	--	--	--	--	--	--	--
JAN.											
10...	1445	2	1380	6.2	200	70	10	2.0	7.7	1.1	18
10...	1445	3	1380	--	--	--	--	--	--	--	--
FEB.											
07...	1335	2	3150	6.0	120	30	6.8	1.4	5.6	.8	12
07...	1335	3	3150	--	--	--	--	--	--	--	--
MAR.											
07...	1520	2	2030	6.2	130	40	6.9	1.6	5.9	.9	15
07...	1520	3	2030	--	--	--	--	--	--	--	--
APR.											
11...	1450	2	4550	5.2	120	30	6.2	1.4	4.7	.8	13
11...	1450	3	4550	--	--	--	--	--	--	--	--
MAY											
16...	1505	2	1700	6.1	220	30	10	1.8	6.3	1.0	18
16...	1505	3	1700	--	--	--	--	--	--	--	--
JUNE											
13...	1300	2	720	6.5	150	30	11	2.1	8.2	1.2	31
13...	1300	3	720	--	--	--	--	--	--	--	--
JULY											
11...	1310	2	1700	6.0	210	40	7.3	1.6	5.7	1.0	18
11...	1310	3	1700	--	--	--	--	--	--	--	--
AUG.											
08...	1340	2	650	6.2	180	70	10	1.9	8.5	2.0	25
08...	1340	3	650	--	--	--	--	--	--	--	--
SEP.											
12...	1540	2	780	4.9	70	50	7.9	1.8	7.5	1.4	20
12...	1540	3	780	--	--	--	--	--	--	--	--

01189995 FARMINGTON RIVER AT TARIFFVILLE, CONN.--Continued

DRAINAGE AREA.--571 mi^2 (1,479 km^2).

PERIOD OF RECORD.--Chemical analyses: January 1971 to September 1973.
Water temperatures: January 1971 to January 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)
OCT.												
18...	0	12	11	.2	.23	.71	.29	.02	--	.50	.85	--
18...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
15...	0	12	7.9	.1	.13	.40	.15	.01	--	.40	.66	--
15...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
13...	0	13	10	.1	.12	.37	.06	.07	--	.50	.41	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
10...	0	14	11	.1	.12	.37	.05	.13	--	1.0	.58	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
07...	0	11	7.9	.3	.08	.26	.21	.01	--	.50	.26	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
07...	0	11	9.5	.1	.11	.34	.20	.01	.41	.40	.30	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
11...	0	13	7.0	.2	.08	.26	.14	.01	.42	.40	.43	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
16...	0	12	9.5	.3	.08	--	.17	.02	.70	.68	.38	--
16...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
13...	0	12	12	.2	.28	.86	.20	.05	1.0	.91	.90	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
11...	0	9.0	8.2	.1	.13	.40	.04	.00	.54	.53	.41	.500
11...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
08...	0	12	10	.3	.08	.26	.07	.03	.60	.57	.29	.360
08...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
12...	0	10	10	.2	.25	.77	.34	.01	.53	.52	.07	.410
12...	--	--	--	--	--	--	--	--	--	--	--	--

CONNECTICUT RIVER BASIN

01189995 FARMINGTON RIVER AT TARIFFVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL NITROGEN (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)
OCT.										
18...	1.4	62	157	.08	24	10	19	102	7.5	1
18...	--	--	--	--	--	--	--	110	7.3	--
NOV.										
15...	1.2	52	435	.07	25	12	13	81	7.2	6
15...	--	--	--	--	--	--	--	83	6.9	--
DEC.										
13...	1.0	57	396	.08	27	14	12	86	6.7	1
13...	--	--	--	--	--	--	--	110	6.2	--
JAN.										
10...	1.7	69	257	.09	33	18	15	114	6.8	1
10...	--	--	--	--	--	--	--	165	6.8	--
FEB.										
07...	.98	49	417	.07	23	13	10	80	6.9	1
07...	--	--	--	--	--	--	--	82	6.9	--
MAR.										
07...	.91	52	285	.07	24	12	12	86	6.7	2
07...	--	--	--	--	--	--	--	104	6.8	--
APR.										
11...	.98	47	577	.06	21	11	11	71	6.7	3
11...	--	--	--	--	--	--	--	77	6.5	--
MAY										
16...	1.2	59	271	.08	32	18	15	95	6.2	1
16...	--	--	--	--	--	--	--	108	6.5	--
JUNE										
13...	0.1	73	142	.10	36	11	25	124	7.2	1
13...	--	--	--	--	--	--	--	140	6.5	--
JULY										
11...	1.0	51	234	.07	25	10	15	86	6.9	1
11...	--	--	--	--	--	--	--	102	6.3	--
AUG.										
08...	.96	66	116	.09	33	12	21	107	6.6	1
08...	--	--	--	--	--	--	--	77	6.3	--
SEP.										
12...	.94	56	118	.08	27	10	16	101	6.8	2
12...	--	--	--	--	--	--	--	109	6.8	--

DATE	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	PHENOLS (UG/L)
OCT.										
18...	11.0	--	--	--	--	--	--	34	.6	1
18...	11.0	10.0	86	--	20000	8400	60	--	--	--
NOV.										
15...	3.0	--	--	--	--	--	--	29	.6	--
15...	3.0	--	94	--	60000	2400	4300	--	--	--
DEC.										
13...	6.5	--	--	--	--	--	--	33	.5	--
13...	6.5	11.8	86	--	3100	2200	2500	--	--	--
JAN.										
10...	-2.5	--	--	--	--	--	--	33	.6	1
10...	-2.5	10.9	75	--	4400	1300	700	--	--	--
FEB.										
07...	--	--	--	--	--	--	--	34	.5	--
07...	--	--	--	--	3100	1200	1400	--	--	--
MAR.										
07...	5.0	--	--	0	--	--	--	34	.5	--
07...	5.0	12.0	91	--	2500	1600	2200	--	--	--
APR.										
11...	5.5	--	--	--	--	--	--	31	.6	5
11...	5.5	11.3	91	--	1300	820	650	--	--	--
MAY										
16...	21.0	--	--	--	--	--	--	29	.5	--
16...	21.0	7.8	74	--	1600	--	240	--	--	--
JUNE										
13...	23.0	--	--	--	--	--	--	32	.6	--
13...	23.0	7.5	86	--	17000	5300	[illegible]	--	--	--
JULY										
11...	26.5	--	--	--	--	--	--	32	.5	0
11...	26.5	7.3	81	--	10000	7100	1600	--	--	--
AUG.										
08...	31.0	--	--	--	--	--	--	34	.6	--
08...	31.0	6.6	87	--	27000	3700	1100	--	--	--
SEP.										
12...	24.0	--	--	--	--	--	--	36	.6	--
12...	24.0	7.5	83	--	10000	4300	460	--	--	--

01189998 RAINBOW RESERVOIR AT RAINBOW, CONN.

LOCATION.--Lat 41°54'55", long 72°41'38", Hartford County, at hydroelectric plant at dam of Farmington River Power Company, at Rainbow, 0.4 mi (0.6 km) upstream from gaging station, on the Farmington River, and 6.0 mi (9.6 km) downstream from Salmon Brook.

DRAINAGE AREA.--582 mi^2 (1,507 km^2).

PERIOD OF RECORD.--Water temperatures: October 1957 to September 1973.

EXTREMES.--1972-73:
Water temperatures: Maximum, 30.0 C Sept. 5, 6, 1973; minimum, freezing point on many days during winter months.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
(ONCE-DAILY MEASUREMENT AT APPROXIMATELY 0800)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.0	12.0	4.5	3.5	2.0	4.5	5.5	12.0	18.0	24.0	25.5	23.0
2	14.5	12.0	4.0	3.5	3.0	4.0	6.5	14.5	19.5	23.5	25.5	25.5
3	20.0	11.0	4.0	3.0	2.0	4.5	8.0	16.0	17.5	23.5	25.5	26.0
4	14.0	13.5	4.5	3.5	1.5	5.5	8.0	16.5	20.5	24.5	23.5	25.5
5	14.5	13.0	4.5	3.0	2.0	5.0	6.5	16.5	22.0	26.5	22.0	30.0
6	15.5	13.5	4.5	2.0	2.0	5.0	5.0	15.5	27.0	24.5	21.0	30.0
7	17.0	4.5	4.0	1.0	2.0	5.5	5.0	16.5	24.0	25.5	22.0	23.5
8	14.5	3.0	3.5	1.0	2.0	5.5	6.5	16.5	23.5	24.5	23.5	22.0
9	13.0	2.0	2.0	1.0	3.0	5.0	5.5	15.5	24.5	25.5	25.5	17.0
10	15.0	4.0	4.5	1.5	3.0	5.5	6.5	15.5	24.5	25.5	25.5	14.0
11	14.0	3.0	4.0	1.0	3.0	7.0	8.0	15.5	23.5	25.5	25.5	15.5
12	13.5	3.5	4.5	2.0	4.0	7.0	7.0	15.5	23.5	21.0	24.5	15.5
13	13.0	3.5	3.5	2.0	2.0	7.0	8.0	14.5	24.5	24.5	23.5	13.5
14	13.0	3.0	3.5	2.0	2.0	5.0	7.0	14.0	21.0	24.5	23.5	19.0
15	13.0	4.0	4.5	3.0	2.0	4.5	8.5	20.5	20.0	23.5	23.0	22.0
16	17.0	4.5	4.0	2.0	3.5	4.0	10.0	20.5	19.0	21.5	23.5	18.0
17	14.0	4.5	3.0	1.5	2.0	4.0	11.0	20.5	20.0	21.0	21.0	14.5
18	11.0	4.5	2.0	2.0	3.5	4.5	13.5	19.5	19.0	20.0	20.5	24.5
19	11.0	4.5	4.0	3.0	4.5	7.0	16.0	16.5	19.0	21.0	21.0	20.5
20	13.0	4.5	3.0	3.5	2.0	5.5	17.0	13.5	21.5	23.5	21.5	21.0
21	9.5	4.0	3.0	4.5	3.0	5.5	20.0	14.5	23.5	23.5	19.5	16.5
22	9.0	3.5	2.0	4.5	3.5	5.5	20.0	17.0	24.5	22.0	20.5	23.5
23	9.0	4.5	2.0	3.5	3.5	4.5	23.5	19.5	25.5	21.5	19.5	23.5
24	10.0	4.0	3.0	2.5	2.5	4.5	22.0	19.0	24.5	21.0	20.0	20.5
25	11.0	4.5	4.0	3.5	3.5	4.0	22.0	18.5	23.5	21.0	20.0	19.5
26	11.0	4.0	4.5	3.5	3.5	5.0	20.0	18.5	21.0	23.5	22.0	19.5
27	11.0	4.5	4.0	4.0	3.5	4.0	19.0	19.5	21.0	23.5	23.0	19.5
28	11.0	4.0	4.0	3.5	3.5	5.0	18.5	20.0	21.5	24.5	25.5	19.5
29	11.0	4.0	4.0	3.0	---	4.0	21.5	20.0	23.5	24.0	24.0	19.5
30	11.0	4.5	4.0	2.0	---	4.0	21.0	19.5	24.5	22.0	28.5	20.0
31	11.0	4.5	4.0	2.0	---	4.0	---	18.0	---	22.0	25.5	---
MEAN	13.0	---	3.5	2.5	2.5	7.0	12.5	17.0	22.5	23.5	23.0	20.5
MAX	17.0	7.0	4.5	2.5	2.5	7.0	12.5	17.0	22.5	23.5	23.0	20.5

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CONN.

LOCATION.--Lat 41°32'30", long 72°33'13", Middlesex County, on pier of United Aircraft Corporation (formerly Connecticut Advanced Nuclear Engineering Laboratory, CANEL), 0.8 mi (1.3 km) south of Middle Haddam, and 6.1 mi (9.8 km) south of Middletown.

DRAINAGE AREA.--10,893 mi² (28,213 km²).

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CARB-ONATE (CO3) (MG/L)
OCT.											
18...	1010	2	3.3	200	50	14	2.6	10	2.1	45	0
18...	1010	3	--	--	--	--	--	--	--	--	--
NOV.											
15...	1530	2	5.5	200	30	12	1.9	6.0	2.1	30	0
15...	1530	3	--	--	--	--	--	--	--	--	--
DEC.											
13...	1020	2	5.6	190	30	10	1.5	6.2	1.0	20	0
13...	1020	3	--	--	--	--	--	--	--	--	--
JAN.											
10...	1015	2	7.0	210	40	13	2.1	8.3	1.1	27	0
10...	1015	3	--	--	--	--	--	--	--	--	--
FEB.											
07...	1020	2	5.5	110	10	9.0	1.5	7.1	1.0	20	0
07...	1020	3	--	--	--	--	--	--	--	--	--
MAR.											
07...	1025	2	6.7	190	60	11	1.9	8.1	1.3	28	0
07...	1025	3	--	--	--	--	--	--	--	--	--
APR.											
11...	1015	2	5.3	110	30	10	1.6	5.0	.9	24	0
11...	1015	3	--	--	--	--	--	--	--	--	--
MAY											
16...	1100	2	5.0	190	0	12	1.7	5.3	1.1	26	0
16...	1100	3	--	--	--	--	--	--	--	--	--
JUNE											
13...	0845	2	6.6	130	20	14	1.9	7.0	1.2	33	0
13...	0845	3	--	--	--	--	--	--	--	--	--
JULY											
11...	0850	2	5.7	250	50	11	1.5	6.6	1.2	31	0
11...	0850	3	--	--	--	--	--	--	--	--	--
AUG.											
08...	0835	2	3.3	120	30	15	2.0	8.0	1.0	40	0
08...	0835	3	--	--	--	--	--	--	--	--	--
SEP.											
12...	0930	2	1.8	430	0	16	2.9	11	3.5	43	0
12...	0930	3	--	--	--	--	--	--	--	--	--

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CONN.--Continued

PERIOD OF RECORD.--Continued
Water temperatures: October 1967 to September 1970.

REMARKS.--Digital water quality data collection system and monthly samples. Records of hourly-punched parameters 1967-70 available in the district office at Hartford, Conn. Available in Part 1 of this report are volumes of tidal interchange computed for a site 3.8 mi (1.2 km) upstream.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)
OCT.											
18...	15	12	.2	.21	.64	.45	.02	--	.50	.111	--
18...	--	--	--	--	--	--	--	--	--	---	--
NOV.											
15...	14	9.0	.1	.14	.43	.36	.01	--	.40	.111	--
15...	--	--	--	--	--	--	--	--	--	---	--
DEC.											
13...	14	9.7	.1	.05	.16	.06	.04	--	.50	.111	--
13...	--	--	--	--	--	--	--	--	--	---	--
JAN.											
10...	15	12	.1	.09	.30	.23	.05	--	.70	.415	--
10...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
07...	12	10	.1	.06	.21	.10	.01	--	.50	.276	--
07...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
07...	14	12	.3	.11	.34	.21	.01	--	.60	.222	--
07...	--	--	--	--	--	--	--	--	--	--	--
APR.											
11...	14	7.5	.2	.09	.27	.15	.01	.42	.40	.41	--
11...	--	--	--	--	--	--	--	--	--	--	--
MAY											
16...	12	7.5	.2	.08	.27	.17	.01	.40	.39	.40	--
16...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
13...	12	10	.2	.10	.31	.40	.02	.50	.47	.76	--
13...	--	--	--	--	--	--	--	--	--	--	--
JULY											
11...	8.5	6.5	.2	.12	.37	.09	.00	.42	.41	.50	.650
11...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
08...	13	11	.2	.13	.40	.06	.02	.45	.42	.68	.740
08...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
12...	14	15	.3	.22	.67	.28	.01	.52	.51	.26	.540
12...	--	--	--	--	--	--	--	--	--	--	--

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	AIR TEMPERATURE (DEG C)
OCT.										
18...	1.6	85	.11	45	8	37	156	7.6	1	8.5
18...	--	--	--	--	--	--	164	6.9	--	8.5
NOV.										
15...	1.5	68	.09	38	13	25	115	6.9	3	1.0
15...	--	--	--	--	--	--	132	6.7	--	1.0
DEC.										
13...	1.1	61	.08	31	15	16	94	7.2	1	10.5
13...	--	--	--	--	--	--	170	6.7	--	10.5
JAN.										
10...	1.4	76	.10	41	19	22	131	7.4	1	-3.0
10...	--	--	--	--	--	--	180	6.6	--	-3.0
FEB.										
07...	.97	59	.08	29	12	16	101	7.0	1	--
07...	--	--	--	--	--	--	103	6.8	--	--
MAR.										
07...	1.0	72	.10	35	12	23	122	7.3	1	7.5
07...	--	--	--	--	--	--	150	6.7	--	7.5
APR.										
11...	.97	58	.08	32	12	20	93	7.2	3	5.5
11...	--	--	--	--	--	--	100	6.8	--	5.5
MAY										
16...	.97	60	.08	37	16	21	98	6.4	1	14.0
16...	--	--	--	--	--	--	108	6.6	--	14.0
JUNE										
13...	1.6	70	.10	43	16	27	121	7.0	1	23.5
13...	--	--	--	--	--	--	120	6.4	--	23.5
JULY										
11...	1.0	57	.08	34	8	25	96	7.0	3	21.0
11...	--	--	--	--	--	--	100	6.5	--	21.0
AUG.										
08...	1.1	76	.10	40	13	33	135	7.0	1	25.0
08...	--	--	--	--	--	--	146	6.5	--	25.0
SEP.										
12...	1.0	88	.12	50	15	35	163	6.9	1	18.5
12...	--	--	--	--	--	--	99	6.8	--	18.5

COMMECTICUT RIVER BASIN

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	TEMP-ERATURE (DEG C)
OCT.											
18...	--	--	--	--	--	--	31	.6	1	--	10.0
18...	8.5	75	--	14000	1100	47	--	--	--	--	10.0
NOV.											
15...	--	--	--	--	--	--	24	.4	--	--	5.0
15...	9.5	76	--	27000	4400	6600	--	--	--	--	5.0
DEC.											
13...	--	--	--	--	--	--	24	.5	--	--	1.0
13...	10.3	73	--	7000	3400	4100	--	--	--	--	1.0
JAN.											
10...	--	--	--	--	--	--	30	.6	8	--	1.0
10...	9.8	68	--	17000	1200	3000	--	--	--	--	1.0
FEB.											
07...	--	--	--	--	--	--	34	.6	--	--	2.0
07...	--	--	--	3100	2000	2700	--	--	--	--	2.0
MAR.											
07...	--	--	6	--	--	--	32	.5	--	--	3.5
07...	10.2	77	--	15000	3400	3500	--	--	--	--	3.5
APR.											
11...	--	--	--	--	--	--	25	.4	7	--	5.5
11...	10.3	79	--	3400	2600	2500	--	--	--	--	5.5
MAY											
16...	--	--	--	--	--	--	23	.4	--	--	14.0
16...	7.4	71	--	6000	--	300	--	--	--	--	14.0
JUNE											
13...	--	--	--	--	--	--	26	.5	--	--	25.0
13...	5.3	63	--	1200	160	10	--	--	--	--	25.0
JULY											
11...	--	--	--	--	--	--	22	.3	0	--	23.0
11...	6.2	71	--	7200	720	120	--	--	--	--	23.0
AUG.											
08...	--	--	15	--	--	--	27	.5	--	.02	26.5
08...	5.5	80	--	850	300	54	--	--	--	--	26.5
SEP.											
12...	--	--	--	--	--	--	31	.7	--	--	22.0
12...	8.7	95	--	5200	3200	170	--	--	--	--	22.0

01193500 SALMON RIVER NEAR EAST HAMPTON, CONN.--Continued

PERIOD OF RECORD.--Chemical analyses: October 1960 to September 1961, June 1968 to September 1973.
Water temperatures: October 1960 to September 1962.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1960-61 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
16...	0930	2	110	9.5	240	8	6.8	1.7	6.5	2.1	12
16...	0930	3	110	--	--	--	--	--	--	--	--
NOV.											
13...	0935	2	240	8.8	230	10	5.7	1.8	5.7	1.8	10
13...	0935	3	240	--	--	--	--	--	--	--	--
DEC.											
11...	0915	2	660	7.4	40	0	5.8	1.3	6.8	1.1	9
11...	0915	3	660	--	--	--	--	--	--	--	--
JAN.											
08...	1000	2	150	9.0	100	10	6.1	1.5	6.3	1.1	7
08...	1000	3	150	--	--	--	--	--	--	--	--
FEB.											
05...	1100	2	960	6.3	90	10	6.5	1.1	5.7	1.7	6
05...	1100	3	960	--	--	--	--	--	--	--	--
MAR.											
05...	0915	2	369	6.9	170	40	6.7	1.6	6.1	1.3	8
05...	0915	3	369	--	--	--	--	--	--	--	--
APR.											
09...	0930	2	430	6.3	110	50	5.0	1.6	5.5	1.1	6
09...	0930	3	430	--	--	--	--	--	--	--	--
MAY											
14...	1020	2	245	6.7	300	0	7.0	1.5	5.8	1.1	10
14...	1020	3	245	--	--	--	--	--	--	--	--
JUNE											
13...	0950	2	85	8.3	270	0	5.9	1.5	6.2	1.3	14
13...	0950	3	85	--	--	--	--	--	--	--	--
JULY											
09...	0650	2	110	9.3	520	0	5.6	1.5	6.3	1.5	17
09...	0650	3	110	--	--	--	--	--	--	--	--
AUG.											
06...	0815	2	80	9.8	350	20	6.7	1.6	7.1	2.2	16
06...	0815	3	80	--	--	--	--	--	--	--	--
SEP.											
10...	0920	2	40	8.6	1500	170	6.1	1.9	7.5	2.5	18
10...	0920	3	40	--	--	--	--	--	--	--	--

01193500 SALMON RIVER NEAR EAST HAMPTON, CONN.

LOCATION.--Lat 41°33'11", long 72°34'57", Middlesex County, at gaging station on right bank at Old Comstock Bridge, 150 ft (46 m) downstream from New London-Middlesex County Line, 0.6 mile (1.0 km) downstream from Dickinson Creek, and 3.5 miles (5.6 km) southeast of East Hampton.

DRAINAGE AREA.--102 mi² ((264 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	PHOSPHATE (PO4) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.											
19...	0	12	12	.1	.01	.04	.09	.00	--	.20	--
19...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
13...	0	12	9.0	.0	.01	.04	.17	.00	--	.30	--
13...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
11...	0	13	7.5	.0	.00	.03	--	--	--	.40	--
11...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
08...	0	13	10	.1	.00	.01	.02	.00	--	.50	--
08...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
05...	0	11	7.1	.0	.14	.43	--	--	--	.50	--
05...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
05...	0	11	9.7	.0	.01	.03	--	--	--	.60	--
05...	--	--	--	--	--	--	--	--	--	--	--
APR.											
09...	0	10	6.5	.2	.01	.03	.06	.00	.50	.50	--
09...	--	--	--	--	--	--	--	--	--	--	--
MAY											
14...	0	12	7.7	.3	.01	.03	--	.00	.20	.19	--
14...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
13...	0	9.0	9.7	.2	.01	.04	--	.01	.20	.19	--
13...	--	--	--	--	--	--	--	--	--	--	--
JULY											
09...	0	8.7	9.7	.2	.03	.10	.12	.00	.27	.26	.950
09...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
06...	0	9.1	11	.2	.00	.02	--	.01	.40	.39	--
06...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
10...	0	10	12	.2	.01	.03	--	.00	.29	.29	--
10...	--	--	--	--	--	--	--	--	--	--	--

CONNECTICUT RIVER BASIN

01193500 SALMON RIVER NEAR EAST HAMPTON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	ORGANIC NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS (CACO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT.										
16...	.22	.91	99	17.5	.00	26	16	10	87	6.8
26...	--	--	--	--	--	--	--	--	92	6.7
NOV.										
13...	--	--	98	30.4	.07	19	11	6	77	7.1
13...	--	--	--	--	--	--	--	--	89	6.9
DEC.										
11...	--	--	67	63.8	.06	20	12	7	66	6.5
11...	--	--	--	--	--	--	--	--	100	6.0
JAN.										
08...	.13	.05	93	21.5	.07	21	16	6	85	6.8
08...	--	--	--	--	--	--	--	--	90	6.7
FEB.										
05...	--	--	92	10[illegible]	.06	15	11	5	66	6.5
05...	--	--	--	--	--	--	--	--	85	7.0
MAR.										
05...	--	--	68	45.2	.07	16	11	7	70	6.4
05...	--	--	--	--	--	--	--	--	107	7.1
APR.										
09...	.37	.83	93	45.4	.06	18	13	5	72	6.3
09...	--	--	--	--	--	--	--	--	80	6.9
MAY										
14...	--	--	68	31.6	.07	23	15	8	70	6.6
14...	--	--	--	--	--	--	--	--	77	6.4
JUNE										
13...	--	--	50	11.5	.07	21	9	11	61	6.8
13...	--	--	--	--	--	--	--	--	100	6.5
JULY										
09...	.83	1.2	52	15.4	.07	21	7	14	79	7.0
09...	--	--	--	--	--	--	--	--	90	6.9
AUG.										
06...	--	--	58	12.5	.08	23	9	15	85	6.9
06...	--	--	--	--	--	--	--	--	86	6.5
SEP.										
18...	--	--	61	6.59	.08	23	8	15	95	6.9
18...	--	--	--	--	--	--	--	--	81	6.6

01193500 SALMON RIVER NEAR EAST HAMPTON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TURBIDITY (JTU)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT.										
10...	1	6.0	10.5	--	--	--	--	--	35	.6
10...	--	6.0	10.5	10.0	85	4	3	46	--	--
NOV.										
13...	1	7.0	10.5	--	--	--	--	--	37	.6
13...	--	7.0	10.5	9.0	76	260	16	60	--	--
DEC.										
11...	1	4.0	5.0	--	--	--	--	--	33	.5
11...	--	4.0	5.0	11.0	83	64	21	26	--	--
JAN.										
08...	1	1.0	-0.5	--	--	--	--	--	30	.6
08...	--	1.0	-0.5	7.0	60	24	5	13	--	--
FEB.										
05...	1	2.0	--	--	--	--	--	--	40	.6
05...	--	2.0	--	--	--	17	11	34	--	--
MAR.										
05...	1	3.0	9.5	--	--	--	--	--	40	.6
05...	--	3.0	9.5	9.2	68	11	4	20	--	--
APR.										
09...	1	4.0	9.0	--	--	--	--	--	30	.6
09...	--	4.0	9.0	11.0	83	20	13	8	--	--
MAY										
14...	1	11.0	16.5	--	--	--	--	--	33	.5
14...	--	11.0	16.5	9.5	86	16	--	17	--	--
JUNE										
13...	--	19.0	29.0	--	--	--	--	--	30	.6
13...	1	19.0	29.0	7.5	80	160	42	720	--	--
JULY										
09...	1	21.5	20.0	--	--	--	--	--	30	.6
09...	--	21.5	20.0	8.5	95	4500	40	3500	--	--
AUG.										
30...	2	19.0	20.0	--	--	--	--	--	37	.6
30...	--	19.0	20.0	7.5	86	400	50	500	--	--
SEP.										
10...	2	12.0	17.0	--	--	--	--	--	30	.7
10...	--	12.0	17.0	9.3	76	50	31	190		

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CONN.

LOCATION.--Lat 41°26'58", long 72°50'29", New Haven County, at gaging station on right bank on Wilbur Cross Highway, 0.8 mile (1.3 km) downstream from bridge on Quinnipiac Street in Wallingford, and 2 mi (3 km) upstream from Wharton Brook.

DRAINAGE AREA.--110 mi^2 (285 km^2).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
OCT.												
17...	0935	2	225	14	190	230	32	5.5	20	2.8	90	0
17...	0935	3	225	--	--	--	--	--	--	--	--	--
NOV.												
14...	0935	2	186	9.7	300	170	24	4.4	13	2.3	54	0
14...	0935	3	186	--	--	--	--	--	--	--	--	--
DEC.												
12...	0935	2	470	9.5	200	100	21	3.9	15	1.5	47	0
12...	0935	3	470	--	--	--	--	--	--	--	--	--
JAN.												
09...	0935	2	280	13	240	190	29	5.3	19	1.7	62	0
09...	0935	3	280	--	--	--	--	--	--	--	--	--
FEB.												
06...	0930	2	620	8.9	160	110	20	3.6	14	1.4	40	0
06...	0930	3	620	--	--	--	--	--	--	--	--	--
MAR.												
06...	0915	2	295	10	270	210	25	4.5	19	1.7	62	0
06...	0915	3	295	--	--	--	--	--	--	--	--	--
APR.												
10...	1015	2	590	9.2	170	130	22	4.1	13	1.3	51	0
10...	1015	3	590	--	--	--	--	--	--	--	--	--
MAY												
15...	0920	2	270	9.8	250	160	27	4.7	14	1.8	58	0
15...	0920	3	270	--	--	--	--	--	--	--	--	--
JUNE												
12...	0730	2	165	10	70	90	30	5.4	17	1.9	79	0
12...	0730	3	165	--	--	--	--	--	--	--	--	--
JULY												
10...	0645	2	147	12	180	100	27	4.4	15	2.0	68	0
10...	0645	3	147	--	--	--	--	--	--	--	--	--
AUG.												
07...	0740	2	103	12	60	170	30	5.3	18	2.4	80	0
07...	0740	3	103	--	--	--	--	--	--	--	--	--
SEP.												
11...	0850	2	61	13	70	150	34	5.4	26	3.9	93	0
11...	0850	3	61	--	--	--	--	--	--	--	--	--

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CONN.--Continued

PERIOD OF RECORD.--Chemical analyses: October 1956 to September 1957, June 1968 to September 1973.
Water temperatures: November 1969 to December 1970.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1956-57 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT.											
17...	32	26	.8	--	.70	2.1	1.6	.07	--	1.9	.91
17...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
14...	24	21	.4	--	.45	1.3	.75	.12	--	1.3	.80
14...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
12...	26	23	.2	--	.33	1.0	.05	.04	--	1.7	.61
12...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
09...	29	33	.2	1.3	.43	1.3	.53	.26	--	3.0	.68
09...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
06...	22	21	.4	--	.20	.61	.34	.05	--	1.3	.51
06...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
06...	26	28	.1	--	.50	1.5	.57	.02	--	1.3	.76
06...	--	--	--	--	--	--	--	--	--	--	--
APR.											
10...	24	19	.3	--	.28	.86	.18	.29	1.9	1.6	.79
10...	--	--	--	--	--	--	--	--	--	--	--
MAY											
15...	24	22	.3	--	.44	1.3	.13	.00	2.1	2.1	1.2
15...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
12...	24	25	.3	--	.53	1.6	.15	.35	2.6	2.2	.90
12...	--	--	--	--	--	--	--	--	--	--	--
JULY											
10...	20	24	.3	--	.45	1.4	.13	.00	2.3	2.3	1.1
10...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
07...	24	36	.4	--	.60	1.8	.05	.11	1.7	1.6	1.0
07...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	31	31	.5	--	.83	2.5	.26	.16	2.4	2.2	1.0
11...	--	--	--	--	--	--	--	--	--	--	--

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL NITRO-GEN (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)	TEMPER-ATURE (DEG C)
OCT.											
17...	4.4	188	114	.26	100	26	74	305	7.7	2	10.0
17...	--	--	--	--	--	--	--	325	6.9	--	10.0
NOV.											
14...	2.9	137	68.8	.19	78	30	48	226	7.3	2	4.0
14...	--	--	--	--	--	--	--	249	6.7	--	8.0
DEC.											
12...	2.3	133	166	.18	68	30	39	206	7.3	2	3.0
12...	--	--	--	--	--	--	--	285	6.6	--	3.0
JAN.											
09...	4.4	177	134	.24	94	43	51	287	7.7	1	1.0
09...	--	--	--	--	--	--	--	340	6.6	--	1.0
FEB.											
06...	2.2	118	198	.16	65	32	33	200	7.1	1	1.0
06...	--	--	--	--	--	--	--	205	6.9	--	1.0
MAR.											
06...	2.6	154	123	.21	81	30	51	266	7.2	3	6.0
06...	--	--	--	--	--	--	--	300	6.9	--	6.0
APR.											
10...	2.8	127	202	.17	72	30	42	207	7.0	2	8.0
10...	--	--	--	--	--	--	--	230	7.1	--	8.0
MAY											
15...	3.4	142	104	.19	87	39	48	236	6.5	1	15.0
15...	--	--	--	--	--	--	--	240	6.6	--	15.0
JUNE											
12...	3.6	164	73.1	.22	97	32	65	278	7.2	2	26.0
12...	--	--	--	--	--	--	--	280	6.8	--	26.0
JULY											
10...	3.5	149	59.1	.20	86	30	56	256	7.0	1	24.0
10...	--	--	--	--	--	--	--	262	6.7	--	24.0
AUG.											
07...	2.8	175	48.7	.24	97	31	66	280	7.1	1	26.0
07...	--	--	--	--	--	--	--	195	6.7	--	26.0
SEP.											
11...	3.7	201	33.1	.27	107	31	76	350	7.0	2	20.5
11...	--	--	--	--	--	--	--	207	6.7	--	20.5

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT.											
17...	19.5	--	--	--	--	--	--	29	.9	1	--
17...	19.5	9.5	86	--	20000	18000	4500	--	--	--	--
NOV.											
14...	4.0	--	--	--	--	--	--	26	.6	--	--
14...	4.0	10.8	91	--	40000	7200	5500	--	--	--	--
DEC.											
12...	-1.0	--	--	--	--	--	--	32	.8	--	--
12...	-1.0	--	89	--	18000	6500	3000	--	--	--	--
JAN.											
09...	-5.0	--	--	--	--	--	--	30	.9	4	--
09...	-5.0	7.3	51	--	23000	4200	7000	--	--	--	--
FEB.											
06...	--	--	--	--	--	--	--	31	.8	--	--
06...	--	--	--	--	32000	2900	8600	--	--	--	--
MAR.											
06...	7.5	--	--	--	--	--	--	33	.9	--	--
06...	7.5	8.3	66	--	40000	6000	2900	--	--	--	--
APR.											
10...	11.5	--	--	--	--	--	--	28	.7	3	--
10...	11.5	11.9	100	--	13000	4400	4200	--	--	--	--
MAY											
15...	11.0	--	--	--	--	--	--	25	.7	--	--
15...	11.0	9.2	90	--	5000	--	35	--	--	--	--
JUNE											
12...	27.0	--	--	--	--	--	--	27	.8	--	--
12...	27.0	6.5	79	--	1000	160	170	--	--	--	--
JULY											
10...	25.5	--	--	--	--	--	--	27	.7	0	--
10...	25.5	7.5	87	--	29000	300	220	--	--	--	--
AUG.											
07...	22.0	--	--	14	--	--	--	28	.8	--	.09
07...	22.0	9.8	111	--	86000	130	150	--	--	--	--
SEP.											
11...	22.0	--	--	--	--	--	--	36	1.1	--	--
11...	22.0	7.0	71	--	2900	650	180	--	--	--	--

01198800 HOLLENBECK RIVER AT HUNTSVILLE, CONN.

LOCATION.--Lat 41°56'55", long 73°19'18", Litchfield County, at gaging station on State Highway 63, 0.5 mile (0.8 km) northwest of Huntsville.

DRAINAGE AREA.--18.1 mi^2 (46.9 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SOD-IUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
OCT.										
26...	1100	2	5.6	4.1	60	10	31	11	4.4	2.3
26...	1100	3	5.6	--	--	--	--	--	--	--
NOV.										
09...	1045	3	130	--	--	--	--	--	--	--
DEC.										
20...	1145	3	.45	--	--	--	--	--	--	--
JAN.										
17...	1045	2	.31	6.6	130	20	19	7.2	3.9	1.8
17...	1045	3	.31	--	--	--	--	--	--	--
FEB.										
14...	1155	3	40	--	--	--	--	--	--	--
MAR.										
14...	1220	3	55	--	--	--	--	--	--	--
APR.										
18...	1000	2	42	5.2	60	0	16	6.0	3.0	1.2
18...	1000	3	42	--	--	--	--	--	--	--
MAY										
25...	1030	3	52	--	--	--	--	--	--	--
JUNE										
20...	1035	2	11	5.3	90	30	26	1.0	4.0	1.5
20...	1035	3	11	--	--	--	--	--	--	--
JULY										
19...	1000	2	9.4	3.7	30	10	24	9.9	3.9	1.6
19...	1000	3	9.4	--	--	--	--	--	--	--
AUG.										
27...	1110	3	2.9	--	--	--	--	--	--	--
SEP.										
19...	1100	3	7.6	--	--	--	--	--	--	--

01198000 HOLLENBECK RIVER AT HUNTSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	PHOSPHATE (PO4) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
OCT.										
28...	128	0	14	8.5	.0	.01	.04	.35	.00	--
28...	--	--	--	--	--	--	--	--	--	--
NOV.										
09...	--	--	--	--	--	--	--	--	--	--
DEC.										
20...	--	--	--	--	--	--	--	--	--	--
JAN.										
17...	71	0	13	6.5	.1	.01	.04	.02	.00	--
17...	--	--	--	--	--	--	--	--	--	--
FEB.										
14...	--	--	--	--	--	--	--	--	--	--
MAR.										
14...	--	--	--	--	--	--	--	--	--	--
APR.										
18...	59	0	12	6.5	.1	.00	.02	.04	.00	--
18...	--	--	--	--	--	--	--	--	--	--
MAY										
25...	--	--	--	--	--	--	--	--	--	--
JUNE										
20...	108	0	11	7.2	.2	.01	--	.07	.02	.30
20...	--	--	--	--	--	--	--	--	--	--
JULY										
19...	113	0	8.9	6.7	.2	.01	.03	.07	.00	.10
19...	--	--	--	--	--	--	--	--	--	--
AUG.										
27...	--	--	--	--	--	--	--	--	--	--
SEP.										
19...	--	--	--	--	--	--	--	--	--	--

01198800 HOLLENBECK RIVER AT HUNTSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL NITRATE (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
OCT.										
26...	.08	.48	--	139	2.12	.19	120	18	105	245
29...	--	--	--	--	--	--	--	--	--	268
NOV.										
09...	--	--	--	--	--	--	--	--	--	110
DEC.										
20...	--	--	--	--	--	--	--	--	--	155
JAN.										
17...	.30	.24	--	94	7.79	.13	77	19	58	162
17...	--	--	--	--	--	--	--	--	--	175
FEB.										
14...	--	--	--	--	--	--	--	--	--	165
MAR.										
14...	--	--	--	--	--	--	--	--	--	128
APR.										
18...	.13	.07	--	78	8.85	.11	65	16	48	138
18...	--	--	--	--	--	--	--	--	--	185
MAY										
25...	--	--	--	--	--	--	--	--	--	130
JUNE										
20...	.27	.12	--	120	3.56	.16	106	18	89	210
20...	--	--	--	--	--	--	--	--	--	220
JULY										
19...	.09	.15	.22	115	2.92	.16	101	8	93	215
19...	--	--	--	--	--	--	--	--	--	134
AUG.										
27...	--	--	--	--	--	--	--	--	--	172
SEP.										
19...	--	--	--	--	--	--	--	--	--	230

01198800 HOLLENBECK RIVER AT HUNTSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	PH (UNITS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT.										
20...	5.3	6.0	9.5	--	--	--	--	--	7	.2
20...	7.0	6.0	9.5	6.7	68	24	3	4	--	--
NOV.										
09...	6.5	5.0	7.0	11.2	86	880	800	1200	--	--
DEC.										
20...	6.7	2.0	2.0	9.5	67	6	3	12	--	--
JAN.										
17...	7.7	1.0	14.0	--	--	--	--	--	10	.2
17...	6.8	1.0	14.0	11.8	81	8	4	15	--	--
FEB.										
14...	7.0	1.0	6.0	7.6	52	8	1	4	--	--
MAR.										
14...	7.0	4.0	5.0	9.5	72	14	14	18	--	--
APR.										
18...	7.5	11.0	22.0	--	--	--	--	--	9	.2
18...	7.3	11.0	22.0	8.6	77	86	56	2	--	--
MAY										
29...	6.7	12.5	17.0	10.4	97	210	27	16	--	--
JUNE										
20...	6.0	19.0	26.0	7.5	81	--	--	--	11	.2
20...	7.1	19.0	26.0	7.5	81	960	880	46	--	--
JULY										
19...	6.0	19.5	29.0	--	--	--	--	--	8	.2
19...	7.7	19.5	29.0	8.2	98	1500	200	84	--	--
AUG.										
27...	7.7	22.0	31.0	10.0	126	420	260	550	--	--
SEP.										
17...	6.8	14.0	19.5	8.3	87	1000	290	120	--	--

01190951 WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN.

LOCATION.--Lat 41°56'36", long 73°17'08", Litchfield County, at gaging station on left bank, 300 ft (90 m) downstream from Under Mountain Road, 1.5 miles (2.4 km) east of Huntsville.

DRAINAGE AREA.--5.32 mi^2 (13.78 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
OCT.										
25...	1130	2	1.2	4.2	40	0	26	6.6	1.6	1.3
25...	1130	3	1.2	--	--	--	--	--	--	--
NOV.										
06...	1110	3	3.0	--	--	--	--	--	--	--
DEC.										
19...	1100	3	18	--	--	--	--	--	--	--
JAN.										
10...	1120	2	5.1	3.5	70	0	15	6.8	1.5	.5
10...	1120	3	5.1	--	--	--	--	--	--	--
FEB.										
13...	1125	3	7.6	--	--	--	--	--	--	--
MAR.										
13...	1050	3	19	--	--	--	--	--	--	--
APR.										
17...	1110	2	9.3	2.8	50	10	13	5.5	1.6	.6
17...	1110	3	9.3	--	--	--	--	--	--	--
MAY										
24...	1020	3	17	--	--	--	--	--	--	--
JUNE										
19...	1150	2	1.9	3.6	90	0	21	6.5	1.8	1.2
19...	1150	3	1.9	--	--	--	--	--	--	--
JULY										
17...	0945	2	2.6	3.3	90	0	20	6.4	1.7	1.0
17...	0945	3	2.6	--	--	--	--	--	--	--
AUG.										
27...	0955	3	.53	--	--	--	--	--	--	--
SEP.										
17...	1110	3	1.8	--	--	--	--	--	--	--

01199851 WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	PHOSPHATE (PO4) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
OCT.										
25...	102	0	14	2.5	.0	.00	.02	.26	.00	--
25...	--	--	--	--	--	--	--	--	--	--
NOV.										
08...	--	--	--	--	--	--	--	--	--	--
DEC.										
19...	--	--	--	--	--	--	--	--	--	--
JAN.										
16...	64	0	12	2.5	.1	.00	.01	.05	.00	--
16...	--	--	--	--	--	--	--	--	--	--
FEB.										
13...	--	--	--	--	--	--	--	--	--	--
MAR.										
13...	--	--	--	--	--	--	--	--	--	--
APR.										
17...	50	0	10	2.7	.3	.00	.01	.10	.00	.05
17...	--	--	--	--	--	--	--	--	--	--
MAY										
24...	--	--	--	--	--	--	--	--	--	--
JUNE										
19...	88	0	9.4	2.5	.2	.00	.02	.06	.00	.10
19...	--	--	--	--	--	--	--	--	--	--
JULY										
17...	94	0	7.5	2.3	.2	.00	.02	.06	.00	.06
17...	--	--	--	--	--	--	--	--	--	--
AUG.										
27...	--	--	--	--	--	--	--	--	--	--
SEP.										
18...	--	--	--	--	--	--	--	--	--	--

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01198851 WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL NITRATE (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CACO3) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
OCT.										
25...	.00	.29	--	109	.37	.15	100	17	84	180
25...	--	--	--	--	--	--	--	--	--	210
NOV.										
08...	--	--	--	--	--	--	--	--	--	153
DEC.										
19...	--	--	--	--	--	--	--	--	--	114
JAN.										
16...	.10	.05	--	74	1.02	.18	65	13	52	133
16...	--	--	--	--	--	--	--	--	--	145
FEB.										
13...	--	--	--	--	--	--	--	--	--	130
MAR.										
13...	--	--	--	--	--	--	--	--	--	98
APR.										
17...	.04	.15	--	61	1.53	.68	55	14	41	168
17...	--	--	--	--	--	--	--	--	--	120
MAY										
28...	--	--	--	--	--	--	--	--	--	105
JUNE										
19...	.09	.12	--	92	.46	.13	87	15	72	163
19...	--	--	--	--	--	--	--	--	--	180
JULY										
17...	.05	.08	.14	91	.69	.12	85	7	77	149
17...	--	--	--	--	--	--	--	--	--	110
AUG.										
27...	--	--	--	--	--	--	--	--	--	132
SEP.										
18...	--	--	--	--	--	--	--	--	--	225

01199851 MANOUR LAKE BROOK NEAR HUNTSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	PH (UNITS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT.										
25...	6.3	6.0	11.0	--	--	--	--	--	3	.1
25...	7.2	8.0	11.0	7.6	80	6	2	3	--	--
NOV.										
08...	6.5	7.0	9.5	8.0	66	13	9	110	--	--
DEC.										
19...	6.2	1.0	1.5	8.5	60	5	2	23	--	--
JAN.										
16...	7.6	1.0	8.5	--	--	--	--	--	5	.1
16...	6.7	1.0	8.5	7.8	54	2	0	4	--	--
FEB.										
13...	6.8	1.0	4.0	10.7	74	4	2	2	--	--
MAR.										
13...	6.8	4.0	9.5	8.0	61	36	12	29	--	--
APR.										
17...	7.6	9.0	20.0	--	--	--	--	--	5	.1
17...	6.9	9.0	20.0	8.0	69	5	4	1	--	--
MAY										
24...	6.9	11.0	21.0	8.5	77	55	14	9	--	--
JUNE										
19...	8.0	16.0	26.0	--	--	--	--	--	4	.1
19...	6.9	16.0	26.0	7.2	73	440	110	14	--	--
JULY										
17...	7.9	18.0	27.0	--	--	--	--	--	4	.1
17...	7.5	18.0	27.0	7.2	84	36	20	19	--	--
AUG.										
27...	7.4	20.0	31.0	9.3	106	270	20	11	--	--
SEP.										
18...	6.8	13.5	21.0	7.0	76	4000	2500	100	--	--

01199060 DEMING BROOK NEAR HUNTSVILLE, CONN.

LOCATION.--Lat 41°57'52", long 73°16'07", Litchfield County, at gaging station on left bank, 20 feet (6 m) downstream from Under Mountain Road, 0.6 mile (1.0 km) upstream from mouth, and 1.5 miles (2.4 km) northeast of Huntsville.

DRAINAGE AREA.--1.08 mi^2 (2.80 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	AIR TEMP-ERATURE (DEG C)
OCT.							
25...	1300	3	.20	175	6.9	11.0	11.5
NOV.							
08...	1205	3	1.2	168	7.1	7.0	9.5
DEC.							
19...	1230	3	1.6	165	6.3	1.0	.0
JAN.							
16...	1250	3	.76	175	6.6	2.0	8.0
FEB.							
13...	1235	3	1.4	165	7.1	1.0	-1.0
MAR.							
13...	1215	3	3.76	100	6.0	6.5	13.5
APR.							
17...	1245	3	1.93	135	7.4	9.0	19.0
MAY							
24...	1155	3	1.72	125	7.4	11.5	16.5
JUNE							
19...	1255	3	.41	208	7.0	16.0	21.0
JULY							
17...	1055	3	.180	130	7.2	16.5	23.5
AUG.							
27...	1340	3	.047	165	7.1	19.0	28.5
SEP.							
18...	1230	3	.20	195	7.1	14.0	15.0

01198970 LEDGY BROOK NEAR HUNTSVILLE, CONN.

LOCATION.--Lat 41°18'02", long 73°18'04", Litchfield County, at gaging station on left upstream wingwall, at bridge on Under Mountain Road, 0.6 mile (1.0 km) upstream from mouth, and 1.6 miles (2.6 km) northeast of Huntsville.

DRAINAGE AREA.--0.66 mi² (1.71 km²).

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	pH (UNITS)	TEMPER-ATURE (DEG. C)	AIR TEMP-ERATURE (DEG C)
OCT.							
25...	1330	3	.12	139	7.3	10.0	11.0
NOV.							
08...	1230	3	.05	83	7.1	9.0	9.0
DEC.							
19...	1300	3	.97	127	6.1	2.0	2.5
JAN.							
16...	1345	3	.41	195	6.7	4.0	11.5
FEB.							
13...	1345	3	.68	165	6.4	1.0	1.0
MAR.							
13...	1400	3	1.7	88	6.5	6.5	13.5
APR.							
17...	1300	3	.87	122	7.2	9.5	22.5
MAY							
24...	1215	3	1.7	78	7.2	11.0	21.0
JUNE							
19...	1025	3	.18	140	7.1	15.0	26.0
JULY							
17...	1125	3	.22	98	7.4	17.5	23.5
AUG.							
27...	1315	3	.05	134	6.4	26.0	32.0
SEP.							
18...	1240	3	.13	154	7.2	15.5	18.5

01198880 WANGUM LAKE BROOK NEAR SOUTH CANAAN, CONN.

LOCATION.--Lat 41°57'42", long 73°18'52", Litchfield County, at gaging station on right bank just downstream from Barnes Road, 1.1 miles (1.8 km) east of South Canaan.

DRAINAGE AREA.--10.1 mi^2 (26.2 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1973.

WATER QUALITY DATA: WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
OCT.										
25...	1400	2	3.6	5.3	130	30	37	11	1.7	1.7
25...	1400	3	3.6	--	--	--	--	--	--	--
NOV.										
08...	1245	3	9.0	--	--	--	--	--	--	--
DEC.										
19...	1400	3	28	--	--	--	--	--	--	--
JAN.										
16...	1445	2	10	5.0	90	40	27	9.4	2.0	.9
16...	1445	3	10	--	--	--	--	--	--	--
FEB.										
13...	1445	3	15	--	--	--	--	--	--	--
MAR.										
13...	1430	3	35	--	--	--	--	--	--	--
APR.										
17...	1410	2	18	3.6	70	30	22	7.3	3.7	.9
17...	141[illegible]	3	18	--	--	--	--	--	--	--
MAY										
24...	1315	3	31	--	--	--	--	--	--	--
JUNE										
19...	1400	2	4.7	4.6	160	110	31	12	2.0	1.2
19...	1400	3	4.7	--	--	--	--	--	--	--
JULY										
17...	1215	2	5.2	5.4	130	60	30	11	1.9	1.3
17...	1215	3	5.2	--	--	--	--	--	--	--
AUG.										
27...	1225	3	1.2	--	--	--	--	--	--	--
SEP.										
18...	1330	3	5.3	--	--	--	--	--	--	--

01198880 WANGUM LAKE BROOK NEAR SOUTH CANAAN, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	PHOSPHATE (PO4) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
OCT.										
25...	144	0	15	2.7	.1	.01	<.06	<.28	<.00	--
25...	--	--	--	--	--	--	--	--	--	--
NOV.										
08...	--	--	--	--	--	--	--	--	--	--
DEC.										
19...	--	--	--	--	--	--	--	--	--	--
JAN.										
16...	106	0	14	3.9	.1	.01	.06	.04	.00	--
16...	--	--	--	--	--	--	--	--	--	--
FEB.										
13...	--	--	--	--	--	--	--	--	--	--
MAR.										
13...	--	--	--	--	--	--	--	--	--	--
APR.										
17...	85	0	11	5.5	.1	.00	.02	.05	.00	.05
17...	--	--	--	--	--	--	--	--	--	--
MAY										
24...	--	--	--	--	--	--	--	--	--	--
JUNE										
19...	139	0	9.0	2.5	.2	.01	.01	.04	.01	.10
19...	--	--	--	--	--	--	--	--	--	--
JULY										
17...	139	0	6.4	2.2	.3	.01	.04	.05	.00	.06
17...	--	--	--	--	--	--	--	--	--	--
AUG.										
27...	--	--	--	--	--	--	--	--	--	--
SEP.										
18...	--	--	--	--	--	--	--	--	--	--

01199880 WANGUM LAKE BROOK NEAR SOUTH CANAAN, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL NITRATE (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
OCT.										
25...	.05	.94	--	146	1.42	.20	138	20	118	257
25...	--	--	--	--	--	--	--	--	--	280
NOV.										
08...	--	--	--	--	--	--	--	--	--	215
DEC.										
19...	--	--	--	--	--	--	--	--	--	165
JAN.										
10...	.20	.37	--	116	3.26	.16	106	19	87	203
16...	--	--	--	--	--	--	--	--	--	210
FEB.										
13...	--	--	--	--	--	--	--	--	--	210
MAR.										
13...	--	--	--	--	--	--	--	--	--	142
APR.										
17...	.04	.21	--	96	4.67	.13	85	15	70	103
17...	--	--	--	--	--	--	--	--	--	148
MAY										
24...	--	--	--	--	--	--	--	--	--	150
JUNE										
19...	.08	.13	--	131	1.68	.18	127	13	114	231
19...	--	--	--	--	--	--	--	--	--	240
JULY										
17...	.05	.15	.20	127	1.78	.17	120	6	114	232
17...	--	--	--	--	--	--	--	--	--	148
AUG.										
27...	--	--	--	--	--	--	--	--	--	175
SEP.										
18...	--	--	--	--	--	--	--	--	--	270

DATE	PH (UNITS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT.										
25...	9.3	9.0	11.0	--	--	--	--	--	3	.1
25...	7.4	9.0	11.0	7.2	77	140	170	44	--	--
NOV.										
08...	7.0	7.0	9.0	9.5	78	94	40	200	--	--
DEC.										
19...	6.6	2.0	3.0	9.5	68	10	7	18	--	--
JAN.										
16...	7.8	1.0	6.0	--	--	--	--	--	4	.1
16...	6.8	1.0	6.0	10.4	72	11	7	1	--	--
FEB.										
13...	7.1	1.0	1.0	10.0	69	2	0	2	--	--
MAR.										
13...	7.0	7.5	13.5	10.7	89	8	2	5	--	--
APR.										
17...	7.4	11.0	23.0	--	--	--	--	--	9	.2
17...	7.3	11.0	23.0	8.4	76	5	4	6	--	--
MAY										
24...	7.2	14.0	22.5	7.2	69	41	16	17	--	--
JUNE										
19...	7.9	17.0	26.5	--	--	--	--	--	3	.1
19...	7.1	17.0	26.5	8.7	90	220	64	320	--	--
JULY										
17...	7.9	19.5	23.0	--	--	--	--	--	3	.1
17...	7.1	19.5	23.0	8.4	77	110	100	54	--	--
AUG.										
27...	7.9	19.5	31.0	5.4	71	770	250	1000	--	--
SEP.										
18...	6.7	14.0	21.0	7.3	81	9500	2600	1200	--	--

01198900 FALLS VILLAGE RESERVOIR AT FALLS VILLAGE, CONN.

LOCATION.--Lat 41°57'45", long 73°22'18", Litchfield County, on Housatonic River at Great Falls, 0.4 mi (0.6 km) upstream from hydroelectric plant of Hartford Electric Light Company and gaging station at Falls Village.

DRAINAGE AREA.--629 mi² (1,629 km²).

PERIOD OF RECORD.--Chemical analyses: October 1955 to September 1956.
Water temperatures: October 1955 to September 1973.

EXTREMES.--1972-73:
Water temperatures: Maximum, 25.0 C Sept. 6; minimum, freezing point on many days during winter months.

Period of record:
Water temperatures: Maximum, 27.0°C June 20, 1957; minimum, freezing point on many days during winter months.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
(ONCE-DAILY MEASUREMENT AT APPROXIMATELY 0800)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.0	[illegible]	2.5	1.0	3.5	1.0	5.5	11.0	17.0	21.5	23.5	23.0
2	14.0	[illegible]	2.0	2.0	3.5	2.5	6.0	13.0	17.0	21.5	22.0	23.0
3	14.0	[illegible]	2.5	1.0	3.5	2.5	6.5	15.0	17.0	22.0	22.0	24.0
4	14.0	3.0	2.0	1.0	3.5	3.0	6.5	15.0	17.0	21.5	22.0	24.0
5	13.0	2.0	2.0	2.0	3.5	3.0	6.0	16.0	18.0	21.5	22.5	24.5
6	14.0	2.0	2.5	1.5	1.0	4.0	5.0	14.0	19.0	21.0	22.5	25.0
7	14.0	2.0	3.5	3.0	1.0	4.0	5.0	11.0	20.0	22.0	23.0	24.0
8	13.0	2.0	1.0	3.0	2.0	4.0	5.5	13.0	21.0	22.5	23.0	22.0
9	13.0	2.0	1.0	2.0	1.5	4.0	5.5	13.0	21.5	22.5	24.0	20.0
10	13.0	2.0	2.0	3.0	1.0	4.0	5.5	17.0	22.0	22.5	24.5	19.0
11	12.0	2.0	2.0	3.0	1.0	4.5	5.5	15.0	22.0	22.5	24.5	18.0
12	13.0	2.0	1.0	2.0	1.0	5.0	5.0	14.0	23.0	22.0	24.0	18.0
13	12.0	3.0	1.0	3.0	1.0	5.5	5.0	14.0	23.0	22.0	24.0	17.5
14	12.0	3.0	1.0	3.0	1.0	6.0	6.0	13.0	21.5	22.0	23.5	18.5
15	3.0	3.0	1.5	3.0	3.5	5.0	7.0	13.0	21.0	21.5	23.0	17.5
16	3.0	3.0	1.0	3.0	3.5	5.0	8.0	12.0	21.0	21.5	21.5	16.5
17	3.0	2.0	3.5	4.5	3.5	5.0	11.0	17.5	20.0	21.0	21.0	16.5
18	3.0	3.0	2.0	1.0	3.5	4.5	11.0	14.0	19.0	21.0	21.0	16.5
19	3.0	3.0	3.5	1.0	3.5	4.0	13.0	13.0	18.0	21.0	21.0	16.0
20	2.0	3.0	3.0	1.0	3.5	3.5	13.0	12.0	19.0	22.0	21.0	15.5
21	2.0	2.5	1.0	2.5	2.5	3.0	14.0	12.0	20.0	21.0	21.0	15.0
22	2.0	2.0	1.0	2.5	1.0	4.0	15.0	11.5	21.0	21.0	21.0	15.0
23	3.0	2.0	2.0	2.0	4.5	3.5	16.0	12.0	21.0	21.0	20.0	15.0
24	3.0	1.0	2.0	2.0	3.5	4.5	16.0	12.5	21.5	22.0	20.5	15.0
25	3.0	2.5	2.5	1.5	1.0	3.5	15.0	14.0	21.5	22.5	21.0	15.0
26	3.0	1.0	3.0	1.0	1.5	3.5	15.0	14.0	22.0	22.5	21.5	15.0
27	3.0	1.5	2.0	1.5	1.0	6.5	12.0	14.0	22.5	22.5	22.0	15.0
28	2.0	1.0	2.0	1.0	1.0	6.5	11.0	13.5	22.5	22.5	22.5	15.0
29	2.0	1.5	1.5	2.5	---	6.5	10.0	13.0	22.0	23.0	23.0	15.5
30	2.0	2.5	1.5	0.5	---	7.0	9.0	16.0	22.0	23.5	23.0	16.0
31	2.0	---	1.0	1.0	---	7.0	---	16.5	---	23.5	24.0	---
MEAN	10.0	2.0	1.5	1.0	1.0	4.5	9.0	13.5	20.5	22.0	22.5	18.5
MAX	15.0											

01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CONN.

LOCATION.--Lat 41°57'26", long 73°22'11", Litchfield County, at gaging station on left bank at hydroelectric plant at Hartford Electric Light Co., at Falls Village, 1.4 miles (2.3 km) downstream from Hollenbeck River, and at mile 75.9 (122.1 km).

DRAINAGE AREA.--634 mi^2 (1,642 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
OCT.										
26...	1230	2	176	3.6	170	110	39	11	13	2.5
26...	1230	3	170	--	--	--	--	--	--	--
NOV.										
09...	1120	3	1400	--	--	--	--	--	--	--
DEC.										
20...	1245	3	1780	--	--	--	--	--	--	--
JAN.										
17...	1230	2	1150	4.0	180	60	34	11	8.9	1.1
17...	1230	3	1150	--	--	--	--	--	--	--
FEB.										
14...	1320	3	1300 --	--	--	--	--	--	--	--
MAR.										
14...	1400	3	2350 --	--	--	--	--	--	--	--
APR.										
18...	1145	2	1600	2.8	100	40	29	9.0	7.5	1.1
18...	1145	3	1600	--	--	--	--	--	--	--
MAY										
25...	1200	3	2140 --	--	--	--	--	--	--	--
JUNE										
20...	1145	2	1550	3.6	60	80	34	12	9.7	1.4
20...	1145	3	--	--	--	--	--	--	--	--
JULY										
19...	1135	2	1120	3.2	0	10	34	12	10	1.3
19...	1135	3	1120	--	--	--	--	--	--	--
AUG.										
28...	0925	3	160 --	--	--	--	--	--	--	--
SEP.										
19...	1210	3	660 --	--	--	--	--	--	--	--

01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.										
26...	148	0	27	19	.5	.20	.64	.60	.04	.60
26...	--	--	--	--	--	--	--	--	--	--
NOV.										
09...	--	--	--	--	--	--	--	--	--	--
DEC.										
20...	--	--	--	--	--	--	--	--	--	--
JAN.										
17...	122	0	19	15	.2	.08	.26	.25	.01	.60
17...	--	--	--	--	--	--	--	--	--	--
FEB.										
14...	--	--	--	--	--	--	--	--	--	--
MAR.										
14...	--	--	--	--	--	--	--	--	--	--
APR.										
16...	109	0	15	10	.1	.06	.20	.05	.01	.30
18...	--	--	--	--	--	--	--	--	--	--
MAY										
25...	--	--	--	--	--	--	--	--	--	--
JUNE										
20...	133	0	17	14	.2	.09	.30	.06	.05	.70
20...	--	--	--	--	--	--	--	--	--	--
JULY										
19...	141	0	17	15	.3	.08	.26	.05	.08	.58
19...	--	--	--	--	--	--	--	--	--	--
AUG.										
28...	--	--	--	--	--	--	--	--	--	--
SEP.										
19...	--	--	--	--	--	--	--	--	--	--

01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
OCT.										
26...	1.2	--	2.4	191	87.7	.26	140	21	121	324
26...	--	--	--	--	--	--	--	--	--	365
NOV.										
09...	--	--	--	--	--	--	--	--	--	245
DEC.										
20...	--	--	--	--	--	--	--	--	--	260
JAN.										
17...	.36	--	1.2	157	487	.21	130	30	100	273
17...	--	--	--	--	--	--	--	--	--	320
FEB.										
14...	--	--	--	--	--	--	--	--	--	300
MAR.										
14...	--	--	--	--	--	--	--	--	--	210
APR.										
18...	.22	--	.58	130	562	.18	109	20	89	241
18...	--	--	--	--	--	--	--	--	--	280
MAY										
25...	--	--	--	--	--	--	--	--	--	215
JUNE										
20...	.40	--	1.2	161	674	.22	134	25	109	283
20...	--	--	--	--	--	--	--	--	--	305
JULY										
19...	.55	.63	1.1	165	499	.22	134	18	116	306
19...	--	--	--	--	--	--	--	--	--	205
AUG.										
28...	--	--	--	--	--	--	--	--	--	192
SEP.										
19...	--	--	--	--	--	--	--	--	--	345

01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	PH (UNITS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT.										
26...	8.0	8.0	10.0	--	--	--	--	--	16	.5
26...	7.1	8.0	10.0	5.5	58	840	130	84	--	--
NOV.										
09...	7.3	6.0	6.5	10.6	85	8000	4100	3200	--	--
DEC.										
20...	6.7	1.0	5.0	6.6	46	5600	100	1900	--	--
JAN.										
17...	8.0	1.0	13.5	--	--	--	--	--	13	.3
17...	6.7	1.0	13.5	6.8	47	650	500	900	--	--
FEB.										
14...	7.0	1.0	7.0	8.4	58	100	50	625	--	--
MAR.										
14...	7.1	5.0	5.0	8.8	76	3000	2500	220	--	--
APR.										
18...	7.2	11.0	23.0	--	--	--	--	--	13	.3
18...	6.8	11.0	23.0	6.5	59	60	40	110	--	--
MAY										
25...	6.9	14.0	15.5	9.0	86	1700	500	102	--	--
JUNE										
20...	7.7	19.0	28.0	--	--	--	--	--	13	.6
20...	7.4	19.0	28.0	7.0	75	230	120	100	--	--
JULY										
19...	7.7	21.0	25.0	--	--	--	--	--	14	.6
19...	7.1	21.0	25.0	8.8	98	1200	150	50	--	--
AUG.										
28...	8.2	22.0	20.0	7.2	91	200	110	26	--	--
SEP.										
19...	6.9	15.5	19.0	9.0	89	1900	140	32	--	--

01200000 TENMILE RIVER NEAR GAYLORDSVILLE, CONN.

LOCATION.--Lat 41°39'32", long 73°31'44", Dutchess County, New York, at gaging station on right bank 0.1 mi (0.2 km) downstream from Deuel Hollow Brook, 1.2 mi (1.9 km) upstream from New York-Connecticut State Line, 1.7 mi (2.7 km) upstream from mouth, and 2.5 mi (4.0 km) northwest of Gaylordsville.

DRAINAGE AREA.--203 mi^2 (526 km^2).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
OCT. 20...	1000	2	96	5.4	53	17	7.1	2.0	211	1
NOV. 17...	1005	2	690	6.0	31	11	4.3	2.3	120	0
DEC. 19...	1200	2	532	6.4	37	14	4.7	1.5	143	0
JAN. 23...	1030	2	1000	4.0	29	11	4.0	2.1	112	0
FEB. 21...	1300	2	352	5.2	38	14	4.8	1.5	140	0
MAR. 20...	1300	2	705	4.4	32	11	4.0	1.5	120	0
APR. 17...	1040	2	504	3.4	33	11	4.2	1.4	128	0
MAY 24...	0940	2	640	4.4	31	11	3.8	1.1	126	0
JUNE 18...	1030	2	150	3.3	43	17	5.6	1.8	197	0
JULY 20...	1050	2	200	3.1	42	16	5.7	1.7	184	0
AUG. 21...	0850	2	77	4.8	50	19	6.3	2.4	218	0
SEP. 18...	1000	2	68	4.7	50	22	8.1	2.8	214	0

01200000 TUNNILE RIVER NEAR GAYLORDSVILLE, CONN.--Continued

PERIOD OF RECORD.--Chemical analysis: October 1958 to September 1959, October 1972 to September 1973.
Water temperatures: October 1958 to September 1959.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1958-59 available in district office at Hartford, Connecticut.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED SULFATE (SO_4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO_4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)
OCT.										
20...	24	13	.1	.08	.25	.15	.00	--	1.0	--
NOV.										
17...	18	6.9	.0	.05	--	.03	.02	--	.82	--
DEC.										
19...	22	6.0	.1	.02	--	.03	.00	--	1.3	--
JAN.										
23...	18	6.0	.1	.10	--	.02	.00	--	1.6	--
FEB.										
21...	22	6.5	.0	.03	--	.05	.03	--	1.5	--
MAR.										
20...	18	7.5	.0	.04	--	.04	.00	--	1.0	--
APR.										
17...	19	7.0	.1	.02	--	.10	.02	--	.88	--
MAY										
24...	16	8.0	.2	.05	--	.50	.02	.40	.58	--
JUNE										
18...	16	9.5	.1	.06	--	.11	.05	1.1	1.0	--
JULY										
20...	17	.9	.2	.03	--	.04	.00	.70	.69	.13
AUG.										
21...	18	11	.2	.09	--	.00	.00	1.3	1.3	--
SEP.										
18...	25	14	.3	.07	--	.02	.00	1.0	1.1	--

NEUSATONIC RIVER BASIN

[illegible] TUNNELS RIVER NEAR GAYLORDSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	ORGANIC NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT.									
20...	.43	232	60.1	.32	200	20	175	397	8.4
NOV.									
17...	.48	142	265	.19	120	22	98	249	8.0
DEC.									
19...	--	170	244	.23	150	33	117	307	8.0
JAN.									
23...	.93	137	370	.19	120	26	92	245	7.6
FEB.									
21...	.16	170	162	.23	150	38	115	301	7.9
MAR.									
20...	.35	142	301	.19	130	27	98	240	8.1
APR.									
17...	.25	148	199	.20	130	23	105	267	7.8
MAY									
24...	.17	136	238	.19	120	19	103	240	6.5
JUNE									
18...	.07	193	78.2	.26	100	24	153	345	8.1
JULY									
20...	.04	181	97.7	.25	170	20	151	343	8.2
AUG.									
21...	--	225	46.8	.31	200	24	179	394	8.0
SEP.									
18...	--	237	43.5	.32	220	40	176	416	8.0

01200000 TOMHILO RIVER NEAR GAYLORDSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMMEDIATE COLIFORM (TOTL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	TEMPERATURE (DEG C)
OCT.										
20...	10.0	10.0	98	9	310	95	7	.2	.02	4.5
NOV.										
17...	.5	11.0	86	6	4400	100	7	.2	.03	2.0
DEC.										
19...	2.5	11.5	91	10	500	45	6	.2	.02	1.0
JAN.										
23...	5.0	11.0	84	27	7500	01400	7	.2	.02	1.5
FEB.										
21...	2.0	14.2	98	4	0190	33	6	.2	.02	1.5
MAR.										
20...	10.0	12.5	97	5	005	012	6	.2	.03	4.5
APR.										
17...	17.5	11.2	98	6	1100	55	7	.2	.02	10.0
MAY										
8...	19.0	10.5	100	6	1700	180	6	.1	.04	13.0
JUNE										
19...	16.0	8.7	89	7	0820	92	5	.2	.04	17.0
JULY										
20...	20.5	9.9	109	5	4500	100	7	.2	.02	20.5
AUG.										
21...	19.0	8.5	92	5	6400	100	6	.2	.01	20.0
SEP.										
19...	17.0	9.2	92	6	04000	0700	7	.2	.03	16.0

B. RESULTS BASED ON COLONY COUNT OUTSIDE THE ACCEPTABLE RANGE (NON-IDEAL COLONY COUNT)

01204000 POMPERAUG RIVER AT SOUTHBURY, CONN.

LOCATION.--Lat 41°28'50", long 73°13'30", New Haven, County, at gaging station on right bank 200 ft (60 m) upstream from bridge on Poverty Road, 800 ft (250 m) downstream from Bullet Hill Brook, 0.6 mi (1.0 km) west of Southbury, and 5.8 miles (9.3 km) upstream from mouth.

DRAINAGE AREA.--75.0 mi^2 (194.2 km^2).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
17...	1620	2	31	9.6	160	40	16	4.0	7.3	2.0	37
17...	1620	3	31	--	--	--	--	--	--	--	--
NOV.											
14...	1520	2	860	6.3	230	10	9.0	2.2	4.2	1.9	16
14...	1520	3	860	--	--	--	--	--	--	--	--
DEC.											
12...	1555	2	305	8.6	100	20	10	2.3	5.2	1.2	15
12...	1555	3	305	--	--	--	--	--	--	--	--
JAN.											
09...	1510	2	280	9.8	120	20	11	2.7	6.0	1.1	18
09...	1510	3	280	--	--	--	--	--	--	--	--
FEB.											
06...	1425	2	365	7.7	80	0	8.2	2.0	5.4	1.1	13
06...	1425	3	365	--	--	--	--	--	--	--	--
MAR.											
06...	1515	2	150	7.4	120	40	9.1	2.5	6.1	1.4	18
06...	1515	3	150	--	--	--	--	--	--	--	--
APR.											
10...	1525	2	910	5.9	100	20	7.2	1.9	4.3	1.2	10
10...	1525	3	910	--	--	--	--	--	--	--	--
MAY											
15...	1455	2	155	6.6	90	10	11	2.5	5.6	1.1	21
15...	1455	3	155	--	--	--	--	--	--	--	--
JUNE											
12...	1145	2	50	9.5	150	40	13	3.2	6.6	1.3	34
12...	1145	3	50	--	--	--	--	--	--	--	--
JULY											
10...	1125	2	195	8.4	190	30	7.4	2.2	5.0	1.4	21
10...	1125	3	195	--	--	--	--	--	--	--	--
AUG.											
07...	1220	2	50	9.0	80	60	13	3.3	7.5	1.8	37
07...	1220	3	50	--	--	--	--	--	--	--	--
SEP.											
11...	1530	2	17	9.4	980	110	16	3.9	8.9	2.5	45
11...	1530	3	17	--	--	--	--	--	--	--	--

01204000 POMPERAUG RIVER AT SOUTHBURY, CONN.--Continued

PERIOD OF RECORD.--Chemical analyses: October 1960 to September 1961, April 1965 to September 1967, June 1968 to September 1973.
Water temperatures: October 1960 to September 1961, November 1966 to October 1967.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1960-61 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	PHOSPHATE (PO4) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRITE (NO2) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.												
17...	0	17	15	.1	.14	.43	.10	.00	--	--	.80	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
14...	0	14	8.0	.0	.27	.83	.15	--	--	--	.50	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
12...	0	15	8.6	.1	.02	.06	--	--	--	--	.80	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
09...	0	16	10	.1	.08	.25	.06	.00	--	--	1.0	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
06...	0	14	8.1	.1	.02	.09	--	--	--	--	.90	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
06...	0	14	11	.1	.02	.08	--	--	--	--	1.2	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
10...	0	17	7.5	.2	.23	.71	.08	.01	.51	--	.50	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
15...	0	15	9.5	.3	.02	.06	--	.00	.50	--	.49	--
15...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
12...	0	7.0	13	.2	.05	.15	--	.03	.60	.10	.57	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
10...	0	11	7.4	.2	.07	.23	.09	.01	.57	--	.56	.490
10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
07...	0	14	13	.3	.12	.37	--	.00	.75	--	.74	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
11...	0	16	15	.3	.10	.55	--	.00	.92	--	.92	--
11...	--	--	--	--	--	--	--	--	--	--	--	--

HOUSATONIC RIVER BASIN

01204000 POMPERAUG RIVER AT SOUTHBURY, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TURBIDITY (JTU)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT.										
17...	1	9.5	15.0	--	--	--	--	--	21	.4
17...	--	9.5	15.0	9.8	86	560	180	250	--	--
NOV.										
14...	10	5.0	7.0	--	--	--	--	--	21	.3
14...	--	5.0	7.0	10.4	81	5800	2700	17000	--	--
DEC.										
12...	1	2.0	4.5	--	--	--	--	--	24	.4
12...	--	2.0	4.5	11.5	83	45	31	22	--	--
JAN.										
09...	1	1.0	-5.5	--	--	--	--	--	25	.4
09...	--	1.0	-5.5	7.3	51	23000	6200	7000	--	--
FEB.										
06...	1	1.0	--	--	--	--	--	--	28	.4
06...	--	1.0	--	--	--	25	10	40	--	--
MAR.										
06...	2	4.0	7.0	--	--	--	--	--	28	.5
06...	--	4.0	7.0	10.0	76	60	50	55	--	--
APR.										
10...	6	8.5	11.0	--	--	--	--	--	26	.4
10...	--	8.5	11.0	10.2	84	2500	1000	17000	--	--
MAY										
15...	1	12.0	19.0	10.5	--	--	--	22	24	.4
15...	--	12.0	19.0	10.5	97	160	--	22	--	--
JUNE										
12...	1	24.5	32.0	--	--	--	--	--	23	.4
12...	--	24.5	32.0	8.5	86	520	42	33	--	--
JULY										
10...	1	28.0	29.0	--	--	--	--	--	27	.4
10...	--	28.0	29.0	6.5	82	9700	740	5300	--	--
AUG.										
07...	1	22.0	29.0	--	--	--	--	--	25	.5
07...	--	22.0	29.0	7.0	89	820	54	100	--	--
SEP.										
11...	1	18.0	26.0	--	--	--	--	--	25	.5
11...	--	18.0	26.0	5.8	74	210	68	65	--	--

DATE	TOTAL NITRATE (NO3) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT.											
17...	--	.35	1.2	93	7.78	.13	56	26	30	157	7.4
17...	--	--	--	--	--	--	--	--	--	180	7.3
NOV.											
14...	--	--	--	56	130	.08	32	18	13	89	7.0
14...	--	--	--	--	--	--	--	--	--	104	7.5
DEC.											
12...	--	--	--	62	51.1	.08	34	22	12	92	6.9
12...	--	--	--	--	--	--	--	--	--	132	6.2
JAN.											
09...	--	.34	1.0	71	53.7	.10	39	24	15	117	6.9
09...	--	--	--	--	--	--	--	--	--	340	6.6
FEB.											
06...	--	--	--	57	56.2	.08	29	18	11	91	7.0
06...	--	--	--	--	--	--	--	--	--	96	6.9
MAR.											
06...	--	--	--	66	26.7	.09	33	14	15	108	7.0
06...	--	--	--	--	--	--	--	--	--	136	6.7
APR.											
10...	--	.87	1.4	53	130	.07	26	18	8	78	6.4
10...	--	--	--	--	--	--	--	--	--	80	6.6
MAY											
15...	--	--	--	64	26.8	.09	38	21	17	104	6.6
15...	--	--	--	--	--	--	--	--	--	118	6.6
JUNE											
12...	2.5	--	--	73	9.85	.10	46	18	28	132	7.2
12...	--	--	--	--	--	--	--	--	--	145	6.7
JULY											
10...	--	.40	1.0	56	29.5	.08	28	10	17	93	6.9
10...	--	--	--	--	--	--	--	--	--	93	6.8
AUG.											
07...	--	--	--	84	11.3	.11	46	16	30	138	6.9
07...	--	--	--	--	--	--	--	--	--	116	6.4
SEP.											
11...	--	--	--	99	4.54	.13	56	19	37	167	7.2
11...	--	--	--	--	--	--	--	--	--	110	6.3

01205000 LAKE ZOAR AT STEVENSON, CONN.

LOCATION.--Lat 41°23'00", long 73°10'18", Fairfield County, at gaging station on Housatonic River at tailrace of dam of Connecticut Light and Power Company at Stevenson, 0.2 mi (0.3 km) upstream from gaging station, and 0.4 mi (0.6 km) upstream from Eightmile Brook.

DRAINAGE AREA.--1,541 mi^2 (3,991 km^2).

PERIOD OF RECORD.--Water temperatures: October 1960 to September 1973.

EXTREMES.--1972-73:
Water temperatures: Maximum, 30.5°C Sept. 4; minimum, freezing point on many days during winter months.

Period of record:
Water temperatures: Maximum, 32.0°C July 17, 1968; minimum, freezing point on many days during winter months.

REMARKS.--Records furnished by the Connecticut Light and Power Company.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
(ONCE DAILY MEASUREMENT AT APPROXIMATELY 1300)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.0	12.0	4.0	2.0	1.0	2.0	5.0	14.0	18.0	22.0	27.0	28.0
2	21.0	12.0	4.0	2.0	1.0	2.0	6.0	13.0	18.0	22.0	27.0	28.5
3	21.0	12.0	3.0	2.0	1.0	2.0	7.0	13.0	18.0	23.0	26.0	29.5
4	21.0	11.0	3.0	2.0	1.0	3.0	7.0	15.0	17.0	23.0	26.0	30.5
5	20.0	11.0	3.0	2.0	2.0	2.0	7.0	15.0	19.0	24.0	27.0	27.0
6	19.0	11.0	3.0	2.0	1.0	2.0	8.0	14.0	18.0	24.0	29.5	26.0
7	20.0	11.0	4.0	2.0	1.0	2.0	8.0	15.0	19.0	24.5	29.0	25.0
8	19.0	11.0	4.0	0.0	1.0	2.0	8.0	14.0	21.0	25.0	27.0	25.0
9	17.0	11.0	4.0	0.0	1.0	3.0	6.0	13.0	24.0	25.0	29.0	25.0
10	17.0	11.0	4.0	0.0	0.0	3.0	7.0	14.0	24.5	25.5	29.5	24.0
11	17.0	11.0	4.0	0.0	0.0	3.0	7.0	15.5	25.0	25.5	28.0	24.0
12	17.0	10.0	3.0	0.0	0.5	4.0	7.0	14.0	25.0	23.0	28.5	24.0
13	17.0	10.0	3.0	0.0	0.0	4.5	7.0	14.5	23.5	23.0	27.0	24.0
14	17.0	10.0	3.0	0.0	1.0	5.0	7.0	15.0	23.0	25.0	27.0	24.0
15	16.0	10.0	3.0	0.5	1.5	5.0	8.5	15.0	21.0	24.0	26.0	24.0
16	16.0	9.0	3.5	0.0	1.0	5.5	9.5	15.0	23.0	23.0	26.0	24.0
17	16.0	9.0	4.0	1.0	0.0	5.5	9.0	15.0	22.0	24.0	26.0	24.0
18	15.0	9.0	3.0	1.0	0.0	5.0	10.0	14.0	20.0	25.0	26.0	23.0
19	16.0	9.0	1.0	1.0	0.0	5.0	10.0	15.0	20.0	27.0	26.0	24.0
20	15.0	9.0	1.0	1.0	0.0	5.5	10.0	14.0	20.0	25.0	25.0	22.0
21	15.0	9.0	1.0	1.0	1.0	5.5	10.0	14.0	21.0	25.0	24.0	22.0
22	15.0	9.0	1.0	0.5	1.0	6.0	11.0	14.0	22.0	25.0	24.0	22.0
23	15.0	9.0	1.5	0.5	1.0	6.0	12.0	14.0	23.0	25.0	25.0	22.0
24	14.0	9.0	1.5	1.0	1.0	7.0	12.0	11.0	24.0	26.0	25.0	21.0
25	14.0	8.5	1.5	1.0	0.0	7.0	12.0	14.0	25.0	26.0	25.0	21.0
26	14.0	7.0	1.5	1.0	1.0	7.0	12.0	14.0	23.0	25.0	26.0	21.5
27	14.5	6.5	1.0	1.0	0.0	6.0	12.0	14.0	23.0	25.0	26.0	21.0
28	14.0	6.0	1.0	1.0	0.0	6.0	12.0	14.0	24.0	25.0	28.0	20.5
29	13.0	6.0	1.5	1.0	---	5.0	10.0	15.0	22.0	26.0	28.0	20.5
30	12.0	5.0	1.5	1.0	---	5.0	12.0	20.0	22.0	27.0	28.0	20.5
31	12.0	---	1.5	0.0	---	5.0	---	18.0	---	26.0	28.0	---
MEAN	16.5	9.0	2.5	1.0	0.5	4.5	9.0	14.5	21.5	24.5	27.0	24.0
YEAR	17.0											

01205500 HOUSATONIC RIVER AT STEVENSON, CONN.

LOCATION.--Lat 41°23'02", long 73°10'05", Fairfield County and New Haven County, at gaging station on left bank, 0.2 mi (0.3 km) downstream from dam of Connecticut Light and Power Company at Stevenson, Fairfield County, 0.2 mi (0.3 km) upstream from Eightmile Brook, and at mile 19.2 (30.9 km).

DRAINAGE AREA.--1,541 mi^2 (3,991 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1968 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
17...	1515	2	134	3.1	60	30	29	10	10	2.5	108
17...	1515	3	134	--	--	--	--	--	--	--	--
NOV.											
14...	1415	2	6500	3.1	120	10	29	9.6	9.0	2.4	106
14...	1415	3	6500	--	--	--	--	--	--	--	--
DEC.											
12...	1445	2	6440	5.0	80	0	18	6.2	5.5	1.3	63
12...	1445	3	6440	--	--	--	--	--	--	--	--
JAN.											
09...	1345	2	3110	4.8	80	0	18	6.3	6.1	1.0	65
09...	1345	3	3110	--	--	--	--	--	--	--	--
FEB.											
06...	1305	2	9200	3.7	80	40	13	4.4	5.0	1.7	43
06...	1305	3	9200	--	--	--	--	--	--	--	--
MAR.											
06...	1410	2	5720	5.0	110	60	25	8.1	8.4	1.4	92
06...	1410	3	5720	--	--	--	--	--	--	--	--
APR.											
10...	1410	2	9600	4.5	60	30	17	6.0	5.2	1.1	55
10...	1410	3	9600	--	--	--	--	--	--	--	--
MAY											
15...	1355	2	5560	2.1	30	0	23	8.3	6.4	1.4	86
15...	1355	3	5560	--	--	--	--	--	--	--	--
JUNE											
12...	1045	2	5380	1.5	50	20	21	7.2	5.4	1.1	81
12...	1045	3	5380	--	--	--	--	--	--	--	--
JULY											
10...	1020	2	5500	5.3	110	40	21	5.7	4.9	1.4	76
10...	1020	3	5500	--	--	--	--	--	--	--	--
AUG.											
07...	1115	2	5300	1.3	750	50	25	8.4	6.9	1.6	101
07...	1115	3	5300	--	--	--	--	--	--	--	--
SEP.											
11...	1355	2	1690	3.2	1400	230	27	8.8	8.5	2.1	114
11...	1355	3	1690	--	--	--	--	--	--	--	--

01205500 HOUSATONIC RIVER AT STEVENSON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	PHOSPHATE (PO4) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.											
17...	0	21	18	.4	.08	.26	.44	.02	--	.50	--
17...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
14...	0	20	14	.2	.05	.15	.25	--	--	.50	--
14...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
12...	0	16	9.2	.1	.04	.15	--	--	--	.60	--
12...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
09...	0	15	10	.1	.06	.18	.05	.02	--	.60	--
09...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
06...	0	13	7.8	.3	.08	.27	--	--	--	.60	--
06...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
06...	0	18	13	.3	.03	.11	--	--	--	.90	--
06...	--	--	--	--	--	--	--	--	--	--	--
APR.											
10...	0	15	8.0	.2	.06	.21	.10	.04	.54	.50	--
10...	--	--	--	--	--	--	--	--	--	--	--
MAY											
15...	0	17	11	.2	.02	.08	--	.05	.40	.35	--
15...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
12...	0	13	8.5	.2	.02	.07	--	.02	.30	.28	--
12...	--	--	--	--	--	--	--	--	--	--	--
JULY											
10...	0	11	6.6	.2	.07	.22	.09	.00	.55	.54	.530
10...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
07...	0	14	10	.2	.02	.09	--	.00	.49	.48	--
07...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	0	14	12	.3	.04	.14	--	.00	.53	.53	--
11...	--	--	--	--	--	--	--	--	--	--	--

01205500 HOUSATONIC RIVER AT STEVENSON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	ORGANIC NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
OCT.										
17...	.92	1.8	150	54.3	.20	110	25	89	265	7.8
17...	--	--	--	--	--	--	--	--	280	7.2
NOV.										
14...	--	--	142	2490	.19	112	25	87	255	7.7
14...	--	--	--	--	--	--	--	--	290	7.2
DEC.										
12...	--	--	95	1650	.13	78	19	52	162	7.4
12...	--	--	--	--	--	--	--	--	220	6.2
JAN.										
09...	.40	1.0	97	815	.13	71	18	53	173	7.7
09...	--	--	--	--	--	--	--	--	210	6.7
FEB.										
06...	--	--	73	1810	.10	51	15	35	129	7.2
06...	--	--	--	--	--	--	--	--	130	7.0
MAR.										
06...	--	--	129	1990	.18	86	20	75	231	7.6
06...	--	--	--	--	--	--	--	--	275	6.9
APR.										
10...	.56	1.2	87	2260	.12	67	22	45	158	7.1
10...	--	--	--	--	--	--	--	--	160	6.9
MAY										
15...	--	--	113	1700	.15	92	21	71	207	7.1
15...	--	--	--	--	--	--	--	--	215	7.3
JUNE										
12...	--	--	99	1440	.13	82	16	66	184	7.6
12...	--	--	--	--	--	--	--	--	205	7.2
JULY										
10...	.44	1.0	96	1430	.13	76	14	62	170	7.5
10...	--	--	--	--	--	--	--	--	163	6.7
AUG.										
07...	--	--	120	1720	.16	97	14	83	217	7.7
07...	--	--	--	--	--	--	--	--	165	6.8
SEP.										
11...	--	--	136	621	.18	104	10	94	244	7.5
11...	--	--	--	--	--	--	--	--	146	6.7

01205500 HOUSATONIC RIVER AT STEVENSON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TURBIDITY (JTU)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT.										
17...	1	15.0	15.5	--	--	--	--	--	16	.4
17...	--	15.0	15.5	7.4	73	23	18	30	--	--
NOV.										
14...	2	9.0	7.0	--	--	--	--	--	15	.4
14...	--	9.0	7.0	7.5	65	300	100	260	--	--
DEC.										
12...	2	2.0	5.0	--	--	--	--	--	14	.3
12...	--	2.0	5.0	12.3	84	400	280	420	--	--
JAN.										
09...	2	.5	-5.0	--	--	--	--	--	16	.3
09...	--	.5	-5.0	11.3	78	38	22	88	--	--
FEB.										
06...	4	2.0	--	--	--	--	--	--	17	.3
06...	--	2.0	--	--	--	600	400	5700	--	--
MAR.										
06...	1	2.5	9.5	--	--	--	--	--	16	.4
06...	--	2.5	9.5	10.4	76	9	7	47	--	--
APR.										
10...	2	8.0	12.5	--	--	--	--	--	14	.3
10...	--	8.0	12.5	11.0	92	50	42	56	--	--
MAY										
15...	1	13.5	14.0	--	--	--	--	--	13	.3
15...	--	13.5	14.0	9.4	90	44	--	29	--	--
JUNE										
12...	1	18.5	31.0	--	--	--	--	--	12	.3
12...	--	18.5	31.0	7.5	88	120	50	78	--	--
JULY										
10...	1	28.0	27.0	--	--	--	--	--	12	.2
10...	--	28.0	27.0	5.5	70	600	38	90	--	--
AUG.										
07...	1	23.5	29.0	--	--	--	--	--	13	.3
07...	--	23.5	29.0	4.8	61	2300	12	80	--	--
SEP.										
11...	1	23.5	25.0	--	--	--	--	--	15	.4
11...	--	23.5	25.0	4.8	57	4300	8	6	--	--

01208990 SAUGATUCK RIVER NEAR REDDING, CONN.

LOCATION.--Lat 41°17'40", long 73°23'44", Fairfield County, at gaging station on downstream side of bridge on State Highway 53, 100 ft (30 m) south of intersection of State Highways 53 and 107, 0.8 mi (1.3 km) upstream from Saugatuck Reservoir, and 1.0 mi (1.6 km) southwest of Redding.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
OCT.										
17...	1130	2	8.5	11	140	10	23	5.4	6.1	2.3
17...	1130	3	8.5	--	--	--	--	--	--	--
NOV.										
14...	1210	2	150	6.2	150	10	12	3.5	7.5	1.8
14...	1210	3	150	--	--	--	--	--	--	--
DEC.										
12...	1200	2	110	8.9	60	0	14	3.9	5.6	1.1
12...	1200	3	110	--	--	--	--	--	--	--
JAN.										
09...	1125	2	66	9.8	80	0	17	5.0	6.4	1.0
09...	1125	3	66	--	--	--	--	--	--	--
FEB.										
06...	1105	2	200	7.4	60	0	12	3.2	5.4	1.0
06...	1105	3	200	--	--	--	--	--	--	--
MAR.										
06...	1145	2	44	6.8	90	20	16	4.4	5.8	1.2
06...	1145	3	44	--	--	--	--	--	--	--
APR.										
10...	1215	2	300	5.4	70	0	9.4	3.0	4.8	.9
10...	1215	3	300	--	--	--	--	--	--	--
MAY										
15...	1145	2	60	6.2	140	0	17	4.3	5.7	1.0
15...	1145	3	60	--	--	--	--	--	--	--
JUNE										
12...	0930	2	18	7.4	130	0	20	5.6	5.5	1.2
12...	0930	3	18	--	--	--	--	--	--	--
JULY										
10...	0845	2	46	10	340	20	14	3.9	5.6	1.4
10...	0845	3	46	--	--	--	--	--	--	--
AUG.										
07...	0950	2	14	11	180	20	18	5.1	5.6	1.6
07...	0950	3	14	--	--	--	--	--	--	--
SEP.										
11...	1235	2	21	7.5	1180	70	23	7.1	5.9	2.1
11...	1235	3	21	--	--	--	--	--	--	--

01208990 SAUGATUCK RIVER NEAR REDDING, CONN.--Continued

DRAINAGE AREA.--20.8 mi^2 (53.9 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1968 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)
OCT.											
17...	64	0	24	13	.1	.01	.05	.07	.00	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
14...	32	0	17	12	.0	.06	.20	.11	.00	--	--
14...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
12...	39	0	16	10	.0	.00	.02	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
09...	47	0	19	12	.0	.00	.03	.03	.00	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
06...	29	0	15	8.4	.0	.00	.01	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
06...	45	0	16	10	.0	.01	.03	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
APR.											
10...	27	0	12	8.0	.2	.03	.10	.00	.00	.11	--
10...	--	--	--	--	--	--	--	--	--	--	--
MAY											
15...	49	0	15	9.4	.3	.04	.13	--	.00	.09	--
15...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
12...	70	0	11	9.2	.2	.02	.06	--	.02	.20	--
12...	--	--	--	--	--	--	--	--	--	--	--
JULY											
10...	57	0	9.8	8.2	.2	.04	.14	.11	.00	.24	.300
10...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
07...	67	0	11	9.0	.2	.01	.04	--	.01	.25	--
07...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	89	0	12	9.5	.3	.01	.03	--	.00	.03	--
11...	--	--	--	--	--	--	--	--	--	--	--

01208990 SAUGATUCK RIVER NEAR REDDING, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	NITRATE (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (Ca,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CaCO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
OCT.										
17...	.09	.36	.52	118	2.71	.16	84	31	52	195
17...	--	--	--	--	--	--	--	--	--	215
NOV.										
14...	.20	--	--	79	32.0	.11	44	18	26	129
14...	--	--	--	--	--	--	--	--	--	147
DEC.										
12...	.20	--	--	80	25.5	.11	51	19	32	126
12...	--	--	--	--	--	--	--	--	--	210
JAN.										
09...	.30	.21	.54	95	16.9	.13	63	24	39	162
09...	--	--	--	--	--	--	--	--	--	220
FEB.										
06...	.40	--	--	68	36.7	.09	43	19	24	112
06...	--	--	--	--	--	--	--	--	--	115
MAR.										
06...	.20	--	--	83	9.86	.11	58	21	37	143
06...	--	--	--	--	--	--	--	--	--	164
APR.										
10...	.10	.24	.42	58	47.0	.08	36	14	22	103
10...	--	--	--	--	--	--	--	--	--	104
MAY										
15...	.08	--	--	84	13.6	.11	60	20	40	140
15...	--	--	--	--	--	--	--	--	--	143
JUNE										
12...	.18	--	--	96	4.67	.13	73	16	57	166
12...	--	--	--	--	--	--	--	--	--	186
JULY										
10...	.23	.19	.54	83	10.3	.11	51	4	47	140
10...	--	--	--	--	--	--	--	--	--	138
AUG.										
07...	.24	--	--	96	3.63	.13	66	11	55	156
07...	--	--	--	--	--	--	--	--	--	100
SEP.										
11...	.03	--	--	112	6.35	.15	87	14	73	195
11...	--	--	--	--	--	--	--	--	--	157

01208990 HADDAM BRANCH RIVER NEAR REDDING, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	PH (UNITS)	TURBIDITY (JTU)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	TEMPERATURE (DEG C)
OCT.											
17...	7.8	1	14.0	--	--	--	--	--	13	.3	9.5
17...	7.4	--	14.0	--	81	14	8	13	--	--	9.5
NOV.											
14...	7.3	7	8.0	--	--	--	--	--	26	.5	6.5
14...	6.9	--	8.0	12.0	100	2200	330	5100	--	--	6.5
DEC.											
12...	7.3	1	5.5	--	--	--	--	--	19	.3	1.5
12...	6.7	--	5.5	12.5	88	32	10	72	--	--	1.5
JAN.											
09...	7.4	1	-6.0	--	--	--	--	--	18	.6	1.0
09...	6.6	--	-6.0	11.0	77	96	84	240	--	--	1.0
FEB.											
06...	7.1	1	--	--	--	--	--	--	21	.6	2.0
06...	6.9	--	--	--	--	1500	12	37	--	--	2.0
MAR.											
06...	7.1	1	10.0	--	--	--	--	--	17	.3	4.5
06...	6.9	--	10.0	10.4	60	5	2	9	--	--	4.5
APR.											
10...	6.8	2	10.0	--	--	--	--	--	22	.3	8.0
10...	6.7	--	10.0	9.0	82	190	150	500	--	--	8.0
MAY											
15...	7.0	1	14.0	--	--	--	--	--	17	.3	13.0
15...	6.6	--	14.0	8.8	83	290	--	66	--	--	13.0
JUNE											
12...	7.6	--	28.5	--	--	--	--	--	16	.3	22.0
12...	7.3	1	28.5	7.3	83	1600	91	100	--	--	22.0
JULY											
10...	7.5	1	24.5	--	--	--	--	--	19	.3	26.5
10...	6.7	--	24.5	7.7	94	7500	500	2000	--	--	26.5
AUG.											
07...	7.3	1	28.0	--	--	--	--	--	15	.3	20.5
07...	6.6	--	28.0	7.5	91	6000	54	150	--	--	20.5
SEP.											
11...	6.1	1	26.5	--	--	--	--	--	13	.3	16.0
11...	6.9	--	26.5	7.0	89	170	18	240	--	--	16.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	SAMPLE TREAT-MENT	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
TRANSB RIVER BASIN											
01123990 - QUINEBAUG RIVER NEAR DUDLEY, MASS. (LAT 42 01 40 LONG 071 57 37)											
MAY , 1973											
09...	1500	2	--	--	.1	--	--	7.5	1.0	10	1.3
CONNECTICUT RIVER BASIN											
01192290 - MANCHESTER RES. NO. 2 NR MANCHESTER, CT. (LAT 41 47 42 LONG 072 28 51)											
APR.. 1973											
12...	1400	2	Treated	--	6.4	60	0	6.2	1.4	9.8	.8
12...	1405	2	Raw	--	6.4	70	30	6.4	1.4	10	.8
01192360 - PORTER RES. NR. MANCHESTER, CT. (LAT 41 46 34 LONG 072 29 12)											
APR.. 1973											
13...	1015	2	Raw	--	5.3	80	20	6.7	1.5	11	1.1
13...	1020	2	Treated	--	5.4	100	30	6.0	1.5	17	1.1
01192630 - BUCKINGHAM RES. NEAR BUCKINGHAM, CT. (LAT 41 43 05 LONG 072 29 50)											
APR.. 1973											
13...	10[illegible]5	2	Treated	--	5.7	70	10	2.2	.7	16	.8
13...	11[illegible]	2	Raw	--	5.6	40	20	2.9	.7	3.2	1.0
01192689 - SHUTTLE MEADOW RES. NR. NEW BRITAIN CT. (LAT 41 38 43 LONG 072 49 13)											
MAR.. 1973											
07...	1230	2	Raw	--	5.6	40	30	9.0	2.0	3.5	.9
07...	1235	2	Treated	--	5.8	30	30	11	2.0	4.7	.9

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	PHOSPHATE (PO4) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)
THAMES RIVER BASIN--Continued											
01123990 - QUINEBAUG RIVER NEAR DUDLEY, MASS. (LAT 42 01 40 LONG 071 57 37)											
MAY , 1973											
09...	12	0	10	16	.2	.21	--	.08	.01	.20	.19
CONNECTICUT RIVER BASIN--Continued											
01192290 - MANCHESTER RES. NO. 2 NR MANCHESTER, CT. (LAT 41 47 42 LONG 072 28 51)											
APR.. 1973											
12...	9	0	13	15	.2	--	--	.07	.05	.55	.50
12...	7	0	14	15	.2	--	--	.07	.00	.51	.50
01192360 - PORTER RES. NR. MANCHESTER, CT. (LAT 41 46 34 LONG 072 29 12)											
APR.. 1973											
13...	9	0	11	10	.2	--	--	.07	.00	.02	.01
13...	10	0	11	20	1.3	--	--	.04	.00	.05	.05
01192630 - BUCKINGHAM RES. NEAR BUCKINGHAM, CT. (LAT 41 43 05 LONG 072 29 56)											
APR.. 1973											
13...	20	0	15	3.5	1.3	--	--	.02	.00	.01	.00
13...	1	0	9.5	2.0	.3	--	--	.03	.00	.00	.00
01192689 - SHUTTLE MEADOW RES. NR. NEW BRITAIN CT. (LAT 41 36 43 LONG 072 45 13)											
MAR.. 1973											
07...	17	0	11	5.5	.2	--	--	.04	.01	.10	.09
07...	21	0	14	6.2	1.3	--	--	.01	.00	.10	.09

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
THAMES RIVER BASIN--Continued										
01123990 - QUINEBAUG RIVER NEAR DUDLEY, MASS. (LAT 42 01 40 LONG 071 57 37)										
MAY , 1973										
09...	.54	--	56	--	.08	25	15	10	108	7.0
CONNECTICUT RIVER BASIN--Continued										
01192290 - MANCHESTER RES. NO. 2 NW MANCHESTER, CT. (LAT 41 47 42 LONG 072 28 51)										
APR.. 1973										
12...	--	61	62	--	.08	21	14	7	102	6.8
12...	--	67	62	--	.09	22	17	6	102	6.6
01192360 - PORTER RES. NW, MANCHESTER, CT. (LAT 41 46 34 LONG 072 29 12)										
APR.. 1973										
13...	--	66	63	--	.09	23	16	7	105	6.6
13...	--	82	77	--	.11	21	6	15	130	7.1
01192630 - BUCKINGHAM RES. NEAR BUCKINGHAM, CT. (LAT 41 43 05 LONG 072 29 56)										
APR.. 1973										
13...	--	63	59	--	.09	8	0	23	94	7.7
13...	--	23	26	--	.03	10	9	1	35	5.9
01192689 - SHUTTLE MEADOW RES. NW, NEW BRITAIN CT. (LAT 41 38 43 LONG 072 49 13)										
MAR.. 1973										
07...	--	49	45	--	.07	28	14	14	76	6.8
07...	--	60	56	--	.08	36	18	17	99	7.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
THAMES RIVER BASIN--Continued										
01123990 - QUINEBAUG RIVER NEAR DUDLEY, MASS. (LAT 42 01 40 LONG 071 57 37)										
MAY , 1973										
09...	13.8	--	--	--	--	--	45	.9	--	--
CONNECTICUT RIVER BASIN--Continued										
01192290 - MANCHESTER RES. NO. 2 NW MANCHESTER, CT. (LAT 41 47 42 LONG 072 28 51)										
APR.. 1973										
12...	--	--	--	--	--	--	49	.9	.04	3
12...	--	--	--	--	--	--	48	.9	.03	8
01192360 - PORTER RES. NR. MANCHESTER, CT. (LAT 41 46 34 LONG 072 29 12)										
APR.. 1973										
13...	--	--	--	--	--	--	50	1.0	.03	5
13...	--	--	--	--	--	--	62	1.6	.03	3
01192630 - BUCKINGHAM RES. NEAR BUCKINGHAM, CT. (LAT 41 43 05 LONG 072 29 56)										
APR.. 1973										
13...	--	--	--	--	--	--	79	2.4	.02	5
13...	--	--	--	--	--	--	38	.4	.02	5
01192689 - SHUTTLE MEADOW RES. NW. NEW BRITAIN CT. (LAT 41 38 43 LONG 072 49 13)										
MAR.. 1973										
07...	9.0	--	--	--	--	--	21	.3	.02	5
07...	9.0	--	--	--	--	--	22	.3	.01	3

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)
THAMES RIVER BASIN										
01122500 - SHETUCKET RIVER NEAR WILLIMANTIC, CONN. (LAT 41 42 01 LONG 072 10 57)										
OCT., 1972										
16...	1505	2	505	6.0	12.0	--	--	--	--	--
16...	1510	2	--	--	--	76	--	10	<1	<2
NOV.										
13...	1425	2	1750	7.5	11.0	--	--	--	--	--
DEC.										
11...	1530	2	3030	3.0	1.0	--	--	--	--	--
JAN., 1973										
08...	1520	2	1090	.5	-7.0	--	--	--	--	--
FEB.										
05...	1515	2	4210	2.0	--	--	--	--	--	--
MAR.										
05...	1350	2	1210	4.0	14.0	--	--	--	--	--
APR.										
09...	1500	2	1330	7.0	14.5	--	--	--	--	--
09...	1520	2	--	--	--	62	--	8	<1	<1
MAY										
14...	1420	2	998	15.5	24.5	--	--	--	--	--
JUNE										
11...	1435	2	312	27.0	33.5	--	--	--	--	--
JULY										
09...	1120	2	455	31.0	30.0	--	--	--	--	--
AUG.										
06...	1240	2	265	26.0	29.0	--	--	--	--	--
SEP.										
10...	1345	2	231	20.0	18.5	--	--	--	--	--
01127000 - QUINEBAUG R AT JEWETT CITY, CT. (LAT 41 35 52 LONG 071 59 05)										
OCT., 1972										
16...	1145	2	794	10.0	12.5	--	--	--	--	--
16...	1150	2	--	--	--	80	--	10	<1	<2
NOV.										
13...	1115	2	2120	7.0	11.5	--	--	--	--	--
DEC.										
11...	1205	2	5560	4.0	4.0	--	--	--	--	--
JAN., 1973										
08...	1250	2	2310	.5	-4.0	--	--	--	--	--
FEB.										
05...	1250	2	6110	2.0	--	--	--	--	--	--
MAR.										
05...	1120	2	2100	5.0	12.0	--	--	--	--	--
APR.										
09...	1200	2	2960	9.0	14.0	--	--	--	--	--
09...	1210	2	--	--	--	64	--	8	<1	<1
MAY										
14...	1230	2	1930	16.5	20.0	--	--	--	--	--
JUNE										
11...	1140	2	700	25.5	30.5	--	--	--	--	--
JULY										
09...	0900	2	1130	28.0	26.5	--	--	--	--	--
AUG.										
06...	1025	2	680	25.5	25.0	--	--	--	--	--
SEP.										
10...	1115	2	434	20.0	18.0	--	--	--	--	--

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)
THAMES RIVER BASIN--Continued									
01122500 - SHETUCKET RIVER NEAR WILLIMANTIC, CONN. (LAT 41 42 01 LONG 072 10 57)									
OCT., 1972									
16...	--	--	--	0	--	0	--	--	--
16...	33	<20	2	--	<2	6	--	<1	<2
NOV.									
13...	--	--	--	0	--	0	--	--	--
DEC.									
11...	--	--	--	0	--	20	--	--	--
JAN., 1973									
08...	--	--	--	0	--	0	--	--	--
FEB.									
05...	--	--	--	0	--	0	--	--	--
MAR.									
05...	--	--	--	0	--	0	--	--	--
APR.									
09...	--	--	--	0	--	0	--	--	--
09...	38	<14	2	--	<1	5	--	<1	<1
MAY									
14...	--	--	--	0	--	0	--	--	--
JUNE									
11...	--	--	--	0	--	10	--	--	--
JULY									
09...	--	6	--	0	--	0	--	--	--
AUG.									
06...	--	--	--	0	--	10	--	--	--
SEP.									
10...	--	--	--	0	--	10	--	--	--
01127000 - QUINEBAUG R AT JEWETT CITY, CT. (LAT 41 35 52 LONG 071 59 05)									
OCT., 1972									
16...	--	--	--	0	--	0	--	--	--
16...	22	<18	2	--	<2	5	--	<1	<2
NOV.									
13...	--	--	--	0	--	0	--	--	--
DEC.									
11...	--	--	--	0	--	30	--	--	--
JAN., 1973									
08...	--	--	--	0	--	0	--	--	--
FEB.									
05...	--	--	--	0	--	0	--	--	--
MAR.									
05...	--	--	--	0	--	0	--	--	--
APR.									
09...	--	--	--	0	--	0	--	--	--
09...	8	<14	2	--	<1	4	--	<1	<1
MAY									
14...	--	--	--	0	--	0	--	--	--
JUNE									
11...	--	--	--	0	--	0	--	--	--
JULY									
09...	--	6	--	0	--	0	--	--	--
AUG.									
06...	--	--	--	0	--	20	--	--	--
SEP.									
10...	--	--	--	0	--	10	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

THAMES RIVER BASIN--Continued

01122500 - SHETUCKET RIVER NEAR WILLIMANTIC, CONN. (LAT 41 42 01 LONG 072 10 57)

DATE	DIS-SOLVED IRON (FE) (UG/L)	IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
OCT., 1972									
16...	360	--	4	--	--	40	--	--	--
16...	310	--	1	--	<10	69	--	--	<1
NOV.									
13...	220	--	1	--	--	0	--	--	--
DEC.									
11...	150	--	2	--	--	20	--	--	--
JAN., 1973									
08...	170	--	2	--	--	10	--	--	--
FEB.									
05...	150	--	1	--	--	20	--	--	--
MAR.									
05...	150	--	0	--	--	40	--	--	--
APR.									
09...	160	--	0	--	--	30	--	--	--
09...	130	--	1	--	<10	20	--	--	<1
MAY									
14...	290	--	3	--	--	0	--	--	--
JUNE									
11...	390	--	4	--	--	40	--	--	--
JULY									
09...	520	--	4	--	--	30	--	--	--
AUG.									
06...	410	--	2	--	--	40	--	--	--
SEP.									
10...	430	--	4	--	--	80	--	--	--

01127000 - QUINEBAUG R AT JEWETT CITY, CT. (LAT 41 35 52 LONG 071 59 05)

DATE	DIS-SOLVED IRON (FE) (UG/L)	IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
OCT., 1972									
16...	340	--	4	--	--	30	--	--	--
16...	340	--	2	--	<10	47	--	--	<1
NOV.									
13...	340	--	3	--	--	20	--	--	--
DEC.									
11...	160	--	2	--	--	30	--	--	--
JAN., 1973									
08...	180	--	2	--	--	0	--	--	--
FEB.									
05...	100	--	2	--	--	40	--	--	--
MAR.									
05...	270	--	0	--	--	50	--	--	--
APR.									
09...	190	--	1	--	--	0	--	--	--
09...	160	--	1	--	<10	31	--	--	<1
MAY									
14...	350	--	4	--	--	20	--	--	--
JUNE									
11...	320	--	4	--	--	30	--	--	--
JULY									
09...	450	--	4	--	--	20	--	--	--
AUG.									
06...	310	--	5	--	--	20	--	--	--
SEP.									
10...	420	--	3	--	--	50	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
THAMES RIVER BASIN--Continued									
01122500 - SHETUCKET RIVER NEAR WILLIMANTIC, CONN. (LAT 41 42 01 LONG 072 10 57)									
OCT., 1972									
16...	--	5	--	--	--	--	--	0	--
16...	3	--	<1	44	<2	5	<2.0	<89	<3
NOV.									
13...	--	0	--	--	--	--	--	0	--
DEC.									
11...	--	0	--	--	--	--	--	0	--
JAN., 1973									
08...	--	3	--	--	--	--	--	0	--
FEB.									
05...	--	0	--	--	--	--	--	0	--
MAR.									
05...	--	3	--	--	--	--	--	0	--
APR.									
09...	--	1	--	--	--	--	--	0	--
09...	2	--	<1	30	<1	1	<1.0	<66	<3
MAY									
14...	--	1	--	--	--	--	--	10	--
JUNE									
11...	--	2	--	--	--	--	--	0	--
JULY									
09...	--	0	--	--	--	--	--	0	--
AUG.									
06...	--	2	--	--	--	--	--	0	--
SEP.									
10...	--	2	--	--	--	--	--	20	--
01127000 - QUINEBAUG R AT JEWETT CITY, CT. (LAT 41 35 52 LONG 071 59 05)									
OCT., 1972									
16...	--	4	--	--	--	--	--	0	--
16...	6	--	<1	42	<2	2	<2.0	<84	<3
NOV.									
13...	--	2	--	--	--	--	--	0	--
DEC.									
11...	--	0	--	--	--	--	--	0	--
JAN., 1973									
08...	--	3	--	--	--	--	--	10	--
FEB.									
05...	--	1	--	--	--	--	--	0	--
MAR.									
05...	--	1	--	--	--	--	--	0	--
APR.									
09...	--	1	--	--	--	--	--	0	--
09...	2	--	<1	26	<1	<1	<1.0	<64	<2
MAY									
14...	--	2	--	--	--	--	--	0	--
JUNE									
11...	--	2	--	--	--	--	--	0	--
JULY									
09...	--	2	--	--	--	--	--	0	--
AUG.									
06...	--	5	--	--	--	--	--	10	--
SEP.									
10...	--	2	--	--	--	--	--	20	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)
THAMES RIVER BASIN--Continued										
01127500 - YANTIC R AT YANTIC, CT. (LAT 41 33 31 LONG 072 07 19)										
OCT., 1972										
16...	1340	2	88	8.5	10.5	--	--	--	--	--
16...	1345	2	--	--	--	48	--	11	<1	<1
NOV.										
13...	1300	2	235	8.0	10.0	--	--	--	--	--
DEC.										
11...	1470	2	690	4.5	3.5	--	--	--	--	--
JAN., 1973										
08...	1400	2	450	1.0	-7.0	--	--	--	--	--
FEB.										
05...	1400	2	720	2.0	--	--	--	--	--	--
MAR.										
05...	1245	2	380	4.5	14.5	--	--	--	--	--
APR.										
09...	1345	2	425	7.5	14.0	--	--	--	--	--
09...	1355	2	--	--	--	58	--	8	<1	<1
MAY										
14...	1330	2	195	15.0	22.0	--	--	--	--	--
JUNE										
11...	1305	2	45	24.0	34.0	--	--	--	--	--
JULY										
09...	1015	2	59	29.0	30.0	--	--	--	--	--
AUG.										
06...	1135	2	41	22.0	29.5	--	--	--	--	--
SEP.										
10...	1240	2	25	16.0	2.1	--	--	--	--	--
CONNECTICUT RIVER BASIN										
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE, CONN. (LAT 41 59 14 LONG 072 36 21)										
OCT-DEC 1972										
COMPOSITE	--	4	--	--	--	51	--	19	<1	<2
OCT.										
19...	1015	2	--	8.5	5.0	--	--	--	--	--
19...	1020	2	--	--	--	56	--	20	<1	<2
NOV.										
16...	1130	2	19000	3.0	4.0	--	--	--	--	--
DEC.										
14...	1020	2	24600	1.5	9.5	--	--	--	--	--
JAN-JUNE 1973										
COMPOSITE	--	4	--	--	--	100	--	16	<1	<2
JAN.										
11...	1000	2	14700	1.0	-5.0	--	--	--	--	--
FEB.										
08...	0950	2	36700	1.0	5.0	--	--	--	--	--
MAR.										
08...	1030	2	21600	3.0	7.0	--	--	--	--	--
APR.										
12...	1025	2	42800	4.0	6.5	--	--	--	--	--
12...	1045	2	--	--	--	62	--	12	<1	<1
MAY										
17...	1025	2	29400	13.0	19.0	--	--	--	--	--
JUNE										
14...	0815	2	16200	22.0	24.0	--	--	--	--	--
JULY-SEP 1973										
COMPOSITE	--	4	--	--	--	55	--	20	0	<2
JULY										
12...	--	2	20400	22.0	21.0	--	--	--	--	--
AUG.										
09...	0935	2	5940	26.5	32.0	--	--	--	--	--
SEP.										
13...	0950	2	3740	21.0	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)
THAMES RIVER BASIN--Continued									
01127500 - YANTIC R AT YANTIC, CT. (LAT 41 33 31 LONG 072 07 19)									
OCT., 1972									
16...	--	--	--	0	--	0	--	--	--
16...	9	<16	<1	--	<1	2	--	<1	<1
NOV.									
13...	--	--	--	0	--	0	--	--	--
DEC.									
11...	--	--	--	0	--	0	--	--	--
JAN., 1973									
08...	--	--	--	0	--	0	--	--	--
FEB.									
05...	--	--	--	0	--	0	--	--	--
MAR.									
05...	--	--	--	0	--	0	--	--	--
APR.									
09...	--	--	--	0	--	0	--	--	--
09...	6	<13	<1	--	<1	4	--	<1	<1
MAY									
14...	--	--	--	0	--	0	--	--	--
JUNE									
11...	--	--	--	0	--	10	--	--	--
JULY									
09...	--	6	--	0	--	0	--	--	--
AUG.									
06...	--	--	--	0	--	10	--	--	--
SEP.									
10...	--	--	--	0	--	0	--	--	--
CONNECTICUT RIVER BASIN--Continued									
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE, CONN. (LAT 41 59 14 LONG 072 36 21)									
OCT-DEC 1972									
COMPOSITE	17	<14	2	--	<2	0	--	<1	<2
OCT.									
19...	--	--	--	0	--	0	--	--	--
19...	17	<25	5	--	<2	3	--	<1	<2
NOV.									
14...	--	--	--	0	--	0	--	--	--
DEC.									
14...	--	--	--	0	--	0	--	--	--
JAN-JUNE 1973									
COMPOSITE	10	<2	1	--	<1	3	--	<1	<2
JAN.									
11...	--	--	--	0	--	0	--	--	--
FEB.									
08...	--	--	--	0	--	0	--	--	--
MAR.									
08...	--	--	--	0	--	0	--	--	--
APR.									
12...	--	--	--	0	--	0	--	--	--
12...	7	<13	<1	--	<1	2	--	<1	<1
MAY									
17...	--	--	--	0	--	0	--	--	--
JUNE									
14...	--	--	--	0	--	10	--	--	--
JULY-SEP 1973									
COMPOSITE	15	0	2	--	0	4	--	0	<2
JULY									
12...	--	--	--	0	--	10	--	--	--
AUG.									
09...	--	--	--	0	--	20	--	--	--
SEP.									
13...	--	--	--	0	--	10	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED IRON (FE) (UG/L)	IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
				THAMES RIVER BASIN--Continued					
				01127500 - YANTIC R AT YANTIC, CT. (LAT 41 33 31 LONG 072 07 19)					
OCT., 1972									
16...	310	--	2	--	--	0	--	--	--
16...	220	--	1	--	<10	19	--	--	<1
NOV.									
13...	230	--	2	--	--	20	--	--	--
DEC.									
11...	110	--	4	--	--	0	--	--	--
JAN., 1973									
08...	170	--	2	--	--	30	--	--	--
FEB.									
05...	90	--	3	--	--	10	--	--	--
MAR.									
05...	110	--	0	--	--	60	--	--	--
APR.									
09...	110	--	0	--	--	0	--	--	--
09...	100	--	1	--	<10	20	--	--	<1
MAY									
14...	200	--	1	--	--	10	--	--	--
JUNE									
11...	370	--	4	--	--	50	--	--	--
JULY									
09...	450	--	4	--	--	30	--	--	--
AUG.									
06...	360	--	2	--	--	40	--	--	--
SEP.									
10...	430	--	3	--	--	60	--	--	--
				CONNECTICUT RIVER BASIN--Continued					
				01184000 - CONNECTICUT RIVER AT THOMPSONVILLE, CONN. (LAT 41 59 14 LONG 072 36 21)					
OCT-DEC 1972									
COMPOSITE	150	--	4	--	<10	32	--	--	<1
OCT.									
19...	220	--	5	--	--	50	--	--	--
19...	170	--	3	--	<10	68	--	--	<1
NOV.									
16...	160	--	7	--	--	20	--	--	--
DEC.									
14...	130	--	2	--	--	20	--	--	--
JAN-JUNE 1973									
COMPOSITE	170	--	<2	--	0	65	--	--	<1
JAN.									
11...	290	--	2	--	--	30	--	--	--
FEB.									
08...	110	--	1	--	--	10	--	--	--
MAR.									
08...	230	--	0	--	--	50	--	--	--
APR.									
12...	160	--	0	--	--	20	--	--	--
12...	77	--	<1	--	<10	26	--	--	<1
MAY									
17...	160	--	1	--	--	0	--	--	--
JUNE									
14...	160	--	2	--	--	40	--	--	--
JULY-SEP 1973									
COMPOSITE	170	--	2	--	0	47	--	--	0
JULY									
12...	230	--	2	--	--	60	--	--	--
AUG.									
09...	90	--	3	--	--	50	--	--	--
SEP.									
13...	30	--	3	--	--	10	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
THAMES RIVER BASIN--Continued									
01127500 - YANTIC R AT YANTIC, CT. (LAT 41 3, 31 LONG 072 07 19)									
OCT., 1972									
18...	--	6	--	--	--	--	--	0	--
18...	2	--	<1	40	<1	3	<1.0	<72	<3
NOV.									
13...	--	0	--	--	--	--	--	20	--
DEC.									
11...	--	0	--	--	--	--	--	0	--
JAN., 1973									
08...	--	3	--	--	--	--	--	0	--
FEB.									
05...	--	1	--	--	--	--	--	0	--
MAR.									
05...	--	1	--	--	--	--	--	0	--
APR.									
09...	--	1	--	--	--	--	--	0	--
09...	2	--	<1	44	<1	4	<1.0	<59	<2
MAY									
14...	--	1	--	--	--	--	--	0	--
JUNE									
11...	--	1	--	--	--	--	--	0	--
JULY									
09...	--	1	--	--	--	--	--	0	--
AUG.									
06...	--	5	--	--	--	--	--	20	--
SEP.									
10...	--	2	--	--	--	--	--	40	--
CONNECTICUT RIVER BASIN--Continued									
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE, CONN. (LAT 41 59 14 LONG 072 36 21)									
OCT-DEC 1972									
COMPOSITE	6	--	<1	58	<2	2	2.0	<100	<3
OCT.									
19...	--	6	--	--	--	--	--	0	--
19...	10	--	<1	62	<2	3	<2.0	<110	<4
NOV.									
16...	--	3	--	--	--	--	--	20	--
DEC.									
14...	--	0	--	--	--	--	--	0	--
JAN-JUNE 1973									
COMPOSITE	4	--	<1	36	<2	3	1.0	11	<2
JAN.									
11...	--	3	--	--	--	--	--	10	--
FEB.									
08...	--	1	--	--	--	--	--	0	--
MAR.									
08...	--	1	--	--	--	--	--	10	--
APR.									
12...	--	1	--	--	--	--	--	0	--
12...	2	--	<1	36	<1	2	1.0	<61	<2
MAY									
17...	--	2	--	--	--	--	--	10	--
JUNE									
14...	--	1	--	--	--	--	--	0	--
JULY-SEP 1973									
COMPOSITE	7	--	0	60	<2	1	1.0	23	<2
JULY									
12...	--	0	--	--	--	--	--	10	--
AUG.									
09...	--	2	--	--	--	--	--	20	--
SEP.									
13...	--	2	--	--	--	--	--	20	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)
CONNECTICUT RIVER BASIN--Continued										
01188000 - BURLINGTON BK NR BURLINGTON, CT. (LAT 41 47 10 LONG 072 57 55)										
OCT., 1972										
18...	1325	2	3.4	7.0	8.0	--	--	--	--	--
18...	1330	2	--	--	--	55	--	7	<1	<1
DEC.										
13...	1250	2	19	3.0	5.0	--	--	--	--	--
JAN., 1973										
10...	1245	2	6.0	1.0	-4.0	--	--	--	--	--
FEB.										
07...	1520	2	13	2.0	--	--	--	--	--	--
MAR.										
07...	1340	2	12	3.0	5.5	--	--	--	--	--
APR.										
11...	1300	2	20	6.0	3.5	--	--	--	--	--
11...	1330	2	--	--	--	88	--	8	<1	<1
MAY										
16...	1350	2	12	13.0	17.0	--	--	--	--	--
JUNE										
13...	1100	2	4.8	16.0	23.0	--	--	--	--	--
JULY										
11...	1110	2	12	19.0	22.0	--	--	--	--	--
AUG.										
08...	1220	2	4.0	19.0	29.5	--	--	--	--	--
SEP.										
12...	1410	2	2.9	15.0	20.5	--	--	--	--	--
01189995 - FARMINGTON R AT TARIFFVILLE, CT. (LAT 41 54 30 LONG 072 45 40)										
OCT., 1972										
18...	1500	2	940	9.0	11.0	--	--	--	--	--
18...	1505	2	--	--	--	35	--	20	<1	<2
NOV.										
15...	1030	2	3100	4.5	3.0	--	--	--	--	--
DEC.										
13...	1445	2	2570	2.5	6.5	--	--	--	--	--
JAN., 1973										
10...	1445	2	1380	1.0	-2.5	--	--	--	--	--
FEB.										
07...	1335	2	3150	2.0	--	--	--	--	--	--
MAR.										
07...	1520	2	2030	4.0	5.0	--	--	--	--	--
APR.										
11...	1450	2	4550	6.5	5.5	--	--	--	--	--
11...	1515	2	--	--	--	54	--	30	<1	<1
MAY										
16...	1505	2	1700	13.0	21.0	--	--	--	--	--
JUNE										
13...	1300	2	720	24.0	23.0	--	--	--	--	--
JULY										
11...	1310	2	1700	21.0	26.5	--	--	--	--	--
AUG.										
08...	1340	2	650	25.0	31.0	--	--	--	--	--
SEP.										
12...	1540	2	780	18.0	24.0	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)
CONNECTICUT RIVER BASIN--Continued									
01100000 - BURLINGTON BK NR BURLINGTON, CT. (LAT 41 47 10 LONG 072 57 55)									
OCT., 1972									
18...	--	--	--	0	--	0	--	--	--
18...	8	<13	<1	--	<1	2	--	<1	<1
DEC.									
13...	--	--	--	--	--	--	--	--	--
JAN., 1973									
10...	--	--	--	0	--	0	--	--	--
FEB.									
07...	--	--	--	--	--	--	--	--	--
MAR.									
07...	--	--	--	--	--	--	--	--	--
APR.									
11...	--	--	--	0	--	0	--	--	--
11...	5	<10	<1	--	<1	<1	--	<1	<1
MAY									
16...	--	--	--	--	--	--	--	--	--
JUNE									
13...	--	--	--	--	--	--	--	--	--
JULY									
11...	--	6	--	0	--	10	--	--	--
AUG.									
08...	--	--	--	--	--	--	--	--	--
SEP.									
12...	--	--	--	--	--	--	--	--	--
01100005 - FARMINGTON R AT TARIFFVILLE, CT. (LAT 41 54 30 LONG 072 45 40)									
OCT., 1972									
18...	--	--	--	0	--	0	--	--	--
18...	25	<17	0	--	<2	3	--	<1	<2
NOV.									
15...	--	--	--	0	--	0	--	--	--
DEC.									
13...	--	--	--	0	--	50	--	--	--
JAN., 1973									
10...	--	--	--	0	--	0	--	--	--
FEB.									
07...	--	--	--	0	--	0	--	--	--
MAR.									
07...	--	--	--	0	--	0	--	--	--
APR.									
11...	--	--	--	0	--	0	--	--	--
11...	14	<13	1	--	<1	4	--	<1	<1
MAY									
16...	--	--	--	0	--	10	--	--	--
JUNE									
13...	--	--	--	0	--	10	--	--	--
JULY									
11...	--	10	--	0	--	0	--	--	--
AUG.									
08...	--	--	--	0	--	10	--	--	--
SEP.									
12...	--	--	--	0	--	0	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED IRON (FE) (US/L)	IRON (FE) (US/L)	DIS-SOLVED LEAD (PB) (US/L)	TOTAL LEAD (PB) (US/L)	DIS-SOLVED LITHIUM (LI) (US/L)	DIS-SOLVED MANG-ANESE (MN) (US/L)	MANG-ANESE (MN) (US/L)	TOTAL MERCURY (HG) (US/L)	DIS-SOLVED MOLYB-DENUM (MO) (US/L)
CONNECTICUT RIVER BASIN--Continued									
01186000 - BURLINGTON BR NR BURLINGTON, CT. (LAT 41 47 10 LONG 072 57 55)									
OCT., 1972									
18...	220	--	2	--	--	40	--	--	--
18...	140	--	<1	--	<10	53	--	--	<1
DEC.									
13...	120	--	--	--	--	60	--	--	--
JAN., 1973									
15...	150	--	2	--	--	70	--	--	--
FEB.									
07...	170	--	--	--	--	80	--	--	--
MAR.									
07...	140	--	--	--	--	100	--	--	--
APR.									
11...	100	--	0	--	--	30	--	--	--
11...	94	--	<1	--	<10	59	--	--	<1
MAY									
16...	180	--	--	--	--	20	--	--	--
JUNE									
13...	220	--	--	--	--	40	--	--	--
JULY									
11...	300	--	3	--	--	110	--	--	--
AUG.									
08...	270	--	--	--	--	50	--	--	--
SEP.									
12...	1400	--	--	--	--	190	--	--	--
01189995 - FARMINGTON R AT TARIFFVILLE, CT. (LAT 41 54 30 LONG 072 45 40)									
OCT., 1972									
18...	250	--	3	--	--	20	--	--	--
18...	140	--	<2	--	<10	35	--	--	<1
NOV.									
15...	220	--	3	--	--	20	--	--	--
DEC.									
13...	160	--	2	--	--	30	--	--	--
JAN., 1973									
10...	200	--	2	--	--	70	--	--	--
FEB.									
07...	120	--	2	--	--	30	--	--	--
MAR.									
07...	130	--	0	--	--	60	--	--	--
APR.									
11...	120	--	0	--	--	30	--	--	--
11...	88	--	<1	--	<10	30	--	--	<1
MAY									
16...	220	--	2	--	--	30	--	--	--
JUNE									
13...	150	--	3	--	--	3[illegible]	--	--	--
JULY									
11...	210	--	4	--	--	60	--	--	--
AUG.									
08...	140	--	1	--	--	70	--	--	--
SEP.									
12...	70	--	2	--	--	50	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT POLLUTANTS, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
CONNECTICUT RIVER BASIN--Continued									
01190000 - BURLINGTON BK NR BURLINGTON, CT. (LAT 41 47 10 LONG 072 57 55)									
OCT., 1972									
18...	--	2	--	--	--	--	--	0	--
18...	2	--	<1	22	<1	2	<1.0	<99	<2
DEC.									
13...	--	--	--	--	--	--	--	--	--
JAN., 1973									
10...	--	2	--	--	--	--	--	0	--
FEB.									
07...	--	--	--	--	--	--	--	--	--
MAR.									
07...	--	--	--	--	--	--	--	--	--
APR.									
11...	--	0	--	--	--	--	--	0	--
11...	1	--	<1	21	<1	<1	<1.0	<49	<2
MAY									
16...	--	--	--	--	--	--	--	--	--
JUNE									
13...	--	--	--	--	--	--	--	--	--
JULY									
11...	--	1	--	--	--	--	--	0	--
AUG.									
08...	--	--	--	--	--	--	--	--	--
SEP.									
12...	--	--	--	--	--	--	--	--	--
01190005 - FARMINGTON R AT TARIFFVILLE, CT. (LAT 41 54 30 LONG 072 45 40)									
OCT., 1972									
18...	--	6	--	--	--	--	--	0	--
18...	6	--	<1	34	<2	1	<2.0	<77	<3
NOV.									
15...	--	5	--	--	--	--	--	20	--
DEC.									
13...	--	0	--	--	--	--	--	0	--
JAN., 1973									
10...	--	2	--	--	--	--	--	10	--
FEB.									
07...	--	0	--	--	--	--	--	0	--
MAR.									
07...	--	1	--	--	--	--	--	0	--
APR.									
11...	--	1	--	--	--	--	--	0	--
11...	6	--	<1	26	<1	<1	<1.0	<58	<2
MAY									
16...	--	2	--	--	--	--	--	10	--
JUNE									
13...	--	2	--	--	--	--	--	10	--
JULY									
11...	--	1	--	--	--	--	--	10	--
AUG.									
08...	--	6	--	--	--	--	--	10	--
SEP.									
12...	--	2	--	--	--	--	--	20	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)
CONNECTICUT RIVER BASIN--Continued										
01193050 - CONNECTICUT RIVER AT MIDDLE HADDAM, CONN (LAT 41 32 30 LONG 072 33 13)										
OCT., 1972										
18...	1010	2	--	10.0	8.5	--	--	--	--	--
18...	1015	2	--	--	--	53	--	20	<1	<2
NOV.										
15...	1530	2	--	5.0	1.0	--	--	--	--	--
DEC.										
13...	1020	2	--	1.0	10.5	--	--	--	--	--
JAN., 1973										
10...	1015	2	--	1.0	-3.0	--	--	--	--	--
FEB.										
07...	1020	2	--	2.0	--	--	--	--	--	--
MAR.										
07...	1025	2	--	3.5	7.5	--	--	--	--	--
APR.										
11...	1015	2	--	5.5	5.5	--	--	--	--	--
11...	1030	2	--	--	--	52	--	13	<1	<2
MAY										
16...	1100	2	--	14.0	14.0	--	--	--	--	--
JUNE										
13...	0845	2	--	25.0	23.5	--	--	--	--	--
JULY										
11...	0850	2	--	23.0	21.0	--	--	--	--	--
AUG.										
08...	0835	2	--	26.5	25.0	--	--	--	--	--
SEP.										
12...	0930	2	--	22.0	18.5	--	--	--	--	--
01193500 - SALMON R NR EAST HAMPTON, CT. (LAT 41 33 11 LONG 072 26 57)										
OCT., 1972										
16...	0930	2	110	6.0	10.5	--	--	--	--	--
16...	0935	2	--	--	--	62	--	8	<1	<2
NOV.										
13...	0935	2	240	7.0	10.5	--	--	--	--	--
DEC.										
11...	0915	2	660	4.0	5.0	--	--	--	--	--
JAN., 1973										
08...	1000	2	150	1.0	-6.5	--	--	--	--	--
FEB.										
05...	1100	2	960	2.0	--	--	--	--	--	--
MAR.										
05...	0915	2	349	3.0	9.5	--	--	--	--	--
APR.										
09...	0930	2	430	4.0	9.0	--	--	--	--	--
09...	0940	2	--	--	--	43	--	7	<1	<1
MAY										
14...	1020	2	245	11.0	16.5	--	--	--	--	--
JUNE										
13...	0950	2	85	19.0	29.0	--	--	--	--	--
JULY										
09...	0650	2	110	21.5	20.0	--	--	--	--	--
AUG.										
06...	0815	2	80	19.0	20.0	--	--	--	--	--
SEP.										
10...	0920	2	40	12.0	17.0	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)
CONNECTICUT RIVER BASIN--Continued									
01193050 - CONNECTICUT RIVER AT MIDDLE HADDAM, CONN (LAT 41 32 30 LONG 072 33 13)									
OCT., 1972									
18...	--	--	--	0	--	0	--	--	--
18...	26	<27	5	--	<2	3	--	<1	<2
NOV.									
15...	--	--	--	0	--	0	--	--	--
DEC.									
13...	--	--	--	0	--	0	--	--	--
JAN., 1973									
10...	--	--	--	0	--	0	--	--	--
FEB.									
07...	--	--	--	0	--	0	--	--	--
MAR.									
07...	--	--	--	0	--	0	--	--	--
APR.									
11...	--	--	--	0	--	0	--	--	--
11...	9	<17	2	--	<2	6	--	<1	<2
MAY									
16...	--	--	--	0	--	0	--	--	--
JUNE									
13...	--	--	--	0	--	10	--	--	--
JULY									
11...	--	10	--	0	--	10	--	--	--
AUG.									
08...	--	--	--	0	--	10	--	--	--
SEP.									
12...	--	--	--	0	--	10	--	--	--
01193500 - SALMON R NR EAST HAMPTON, CT. (LAT 41 33 11 LONG 072 26 57)									
OCT., 1972									
16...	--	--	--	0	--	810	--	--	--
16...	11	<17	<2	--	<2	1	--	<1	<2
NOV.									
13...	--	--	--	--	--	--	--	--	--
DEC.									
11...	--	--	--	--	--	--	--	--	--
JAN., 1973									
08...	--	--	--	0	--	0	--	--	--
FEB.									
05...	--	--	--	--	--	--	--	--	--
MAR.									
05...	--	--	--	--	--	--	--	--	--
APR.									
09...	--	--	--	0	--	0	--	--	--
09...	6	<12	1	--	<1	1	--	<1	<1
MAY									
14...	--	--	--	--	--	--	--	--	--
JUNE									
13...	--	--	--	--	--	--	--	--	--
JULY									
09...	--	6	--	0	--	10	--	--	--
AUG.									
06...	--	--	--	--	--	--	--	--	--
SEP.									
10...	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED IRON (FE) (UG/L)	IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
CONNECTICUT RIVER BASIN--Continued									
01193058 - CONNECTICUT RIVER AT MIDDLE HADDAM, CONN (LAT 41 32 30 LONG 072 33 13)									
OCT., 1972									
18...	200	--	3	--	--	58	--	--	--
18...	160	--	4	--	<10	46	--	--	<1
NOV.									
15...	200	--	3	--	--	30	--	--	--
DEC.									
13...	190	--	2	--	--	30	--	--	--
JAN., 1973									
10...	210	--	2	--	--	40	--	--	--
FEB.									
07...	110	--	2	--	--	18	--	--	--
MAR.									
07...	190	--	0	--	--	60	--	--	--
APR.									
11...	110	--	1	--	--	30	--	--	--
11...	81	--	2	--	<10	23	--	--	<1
MAY									
16...	190	--	2	--	--	0	--	--	--
JUNE									
13...	130	--	2	--	--	20	--	--	--
JULY									
11...	250	--	2	--	--	50	--	--	--
AUG.									
08...	120	--	2	--	--	30	--	--	--
SEP.									
12...	430	--	2	--	--	0	--	--	--
01193500 - SALMON R NR EAST HAMPTON, CT. (LAT 41 33 11 LONG 072 26 57)									
OCT., 1972									
16...	290	--	16	--	--	0	--	--	--
16...	230	--	2	--	<10	13	--	--	<1
NOV.									
13...	230	--	--	--	--	10	--	--	--
DEC.									
11...	90	--	--	--	--	0	--	--	--
JAN., 1973									
08...	100	--	2	--	--	10	--	--	--
FEB.									
05...	90	--	--	--	--	30	--	--	--
MAR.									
05...	120	--	--	--	--	40	--	--	--
APR.									
09...	110	--	0	--	--	30	--	--	--
09...	74	--	<1	--	<10	24	--	--	<1
MAY									
14...	300	--	--	--	--	0	--	--	--
JUNE									
13...	270	--	--	--	--	0	--	--	--
JULY									
09...	520	--	4	--	--	0	--	--	--
AUG.									
06...	350	--	--	--	--	20	--	--	--
SEP.									
10...	1500	--	--	--	--	170	--	--	--

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
CONNECTICUT RIVER BASIN--Continued									
01193050 - CONNECTICUT RIVER AT MIDDLE HADDAM, CONN (LAT 41 32 30 LONG 072 33 13)									
OCT., 1972									
18...	--	5	--	--	--	--	--	0	--
18...	6	--	<1	88	<2	<2	2.0	<120	<4
NOV.									
15...	--	0	--	--	--	--	--	30	--
DEC.									
13...	--	0	--	--	--	--	--	0	--
JAN., 1973									
10...	--	4	--	--	--	--	--	20	--
FEB.									
07...	--	0	--	--	--	--	--	0	--
MAR.									
07...	--	2	--	--	--	--	--	0	--
APR.									
11...	--	1	--	--	--	--	--	0	--
11...	3	--	<1	45	<2	1	<2	<77	<3
MAY									
16...	--	1	--	--	--	--	--	0	--
JUNE									
13...	--	2	--	--	--	--	--	0	--
JULY									
11...	--	1	--	--	--	--	--	10	--
AUG.									
08...	--	3	--	--	--	--	--	10	--
SEP.									
12...	--	2	--	--	--	--	--	30	--
01193500 - SALMON R NR EAST HAMPTON, CT. (LAT 41 33 11 LONG 072 26 57)									
OCT., 1972									
16...	--	2	--	--	--	--	--	0	--
16...	3	--	<1	33	<2	4	<2.0	<70	<3
NOV.									
13...	--	--	--	--	--	--	--	--	--
DEC.									
11...	--	--	--	--	--	--	--	--	--
JAN., 1973									
08...	--	3	--	--	--	--	--	0	--
FEB.									
05...	--	--	--	--	--	--	--	--	--
MAR.									
05...	--	--	--	--	--	--	--	--	--
APR.									
09...	--	1	--	--	--	--	--	0	--
09...	2	--	<1	24	<1	<2	<1	<55	<2
MAY									
14...	--	--	--	--	--	--	--	--	--
JUNE									
13...	--	--	--	--	--	--	--	--	--
JULY									
09...	--	0	--	--	--	--	--	20	--
AUG.									
06...	--	--	--	--	--	--	--	--	--
SEP.									
10...	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)
QUINNIPIAC RIVER BASIN										
01196500 - QUINNIPIAC R AT WALLINGFORD, CT. (LAT 41 26 58 LONG 072 50 29)										
OCT., 1972										
17...	0935	2	225	10.0	14.5	--	--	--	--	--
17...	0940	2	--	--	--	71	--	72	<2	<4
NOV.										
14...	0935	2	186	8.0	4.0	--	--	--	--	--
DEC.										
12...	0935	2	470	3.0	-1.0	--	--	--	--	--
JAN., 1973										
09...	0935	2	280	1.0	-5.0	--	--	--	--	--
FEB.										
06...	0930	2	620	1.0	--	--	--	--	--	--
MAR.										
06...	0915	2	295	6.0	7.5	--	--	--	--	--
APR.										
10...	1015	2	590	8.0	11.5	--	--	--	--	--
10...	1025	2	--	--	--	67	--	58	<1	<3
MAY										
15...	0920	2	270	15.0	11.0	--	--	--	--	--
JUNE										
12...	0730	2	165	26.0	27.0	--	--	--	--	--
JULY										
10...	0645	2	147	24.0	25.5	--	--	--	--	--
AUG.										
07...	0740	2	103	26.0	22.0	--	--	--	--	--
SEP.										
11...	0850	2	61	20.5	22.0	--	--	--	--	--
HOUSATONIC RIVER BASIN										
01198000 - HOLLENBECK RIVER AT HUNTSVILLE CONNECTICUT (LAT 41 56 55 LONG 073 19 18)										
OCT., 1972										
26...	1100	2	5.6	6.0	9.5	--	--	--	--	--
JAN., 1973										
17...	1045	2	38.7	1.0	14.0	--	--	--	--	--
APR.										
18...	1000	2	42	11.0	22.0	--	--	--	--	--
18...	1005	2	--	--	--	41	--	23	<1	<2
JUNE										
20...	1035	2	11	19.0	26.0	--	--	--	--	--
JULY										
19...	1000	2	9.4	18.5	29.0	--	--	--	--	--
01198851 - WANGUM LAKE BROOK NR HUNTSVILLE CONN (LAT 41 56 36 LONG 073 17 08)										
OCT., 1972										
25...	1130	2	1.2	8.0	11.0	--	--	--	--	--
JAN., 1973										
16...	1120	2	5.1	1.0	8.5	--	--	--	--	--
APR.										
17...	1110	2	9.3	9.0	20.0	--	--	--	--	--
17...	1115	2	--	--	--	69	--	15	<1	<2
JUNE										
19...	1150	2	1.9	16.0	26.0	--	--	--	--	--
JULY										
17...	0945	2	2.8	18.0	27.0	--	--	--	--	--
01198880 - WANGUM LAKE BROOK NEAR SOUTH CANAAN CONN. (LAT 41 57 42 LONG 073 18 52)										
OCT., 1972										
25...	1400	2	3.6	9.0	11.0	--	--	--	--	--
JAN., 1973										
16...	1445	2	10	1.0	5.0	--	--	--	--	--
APR.										
17...	1410	2	18	11.0	23.0	--	--	--	--	--
17...	1415	2	--	--	--	22	--	15	<1	<3
JUNE										
19...	1400	2	4.7	17.0	26.5	--	--	--	--	--
JULY										
17...	1215	2	5.2	19.5	23.0	--	--	--	--	--
01199000 - HOUSATONIC R AT FALLS VILLAGE, CT. (LAT 41 57 26 LONG 073 22 11)										
OCT., 1972										
26...	1230	2	170	8.0	10.0	--	--	--	--	--
JAN., 1973										
17...	1230	2	1150	1.0	13.5	--	--	--	--	--
APR.										
18...	1145	2	1000	11.0	23.0	--	--	--	--	--
18...	1150	2	--	--	--	31	--	15	<1	<4
JUNE										
20...	1145	2	1550	19.0	28.0	--	--	--	--	--
JULY										
19...	1135	2	1120	21.0	25.0	--	--	--	--	--

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)
QUINNIPIAC RIVER BASIN--Continued									
01196500 - QUINNIPIAC R AT WALLINGFORD, CT. (LAT 41 26 58 LONG 072 50 29)									
OCT., 1972									
17...	--	--	--	0	--	0	--	--	--
17...	110	<55	4	--	4	16	--	<2	<4
NOV.									
14...	--	--	--	0	--	0	--	--	--
DEC.									
12...	--	--	--	0	--	50	--	--	--
JAN., 1973									
09...	--	--	--	0	--	0	--	--	--
FEB.									
06...	--	--	--	0	--	0	--	--	--
MAR.									
06...	--	--	--	0	--	0	--	--	--
APR.									
10...	--	--	--	0	--	0	--	--	--
10...	48	<37	<3	--	<3	9	--	<2	<3
MAY									
15...	--	--	--	0	--	0	--	--	--
JUNE									
12...	--	--	--	0	--	0	--	--	--
JULY									
10...	--	11	--	0	--	20	--	--	--
AUG.									
07...	--	--	--	0	--	10	--	--	--
SEP.									
11...	--	--	--	0	--	20	--	--	--
HOUSATONIC RIVER BASIN--Continued									
01198800 - HOLLENBECK RIVER AT HUNTSVILLE CONNECTICUT (LAT 41 56 55 LONG 073 19 18)									
OCT., 1972									
26...	--	--	--	--	--	--	--	--	--
JAN., 1973									
17...	--	--	--	--	--	--	--	--	--
APR.									
18...	--	--	--	--	--	--	--	--	--
18...	6	<28	<2	--	<2	0	--	<1	<2
JUNE									
20...	--	--	--	--	--	--	--	--	--
JULY									
19...	--	--	--	--	--	--	--	--	--
01198851 - WANGUM LAKE BROOK NR HUNTSVILLE CONN (LAT 41 56 36 LONG 073 17 08)									
OCT., 1972									
25...	--	--	--	--	--	--	--	--	--
JAN., 1973									
16...	--	--	--	--	--	--	--	--	--
APR.									
17...	--	--	--	--	--	--	--	--	--
17...	5	<22	<2	--	<2	2	--	<1	<2
JUNE									
19...	--	--	--	--	--	--	--	--	--
JULY									
17...	--	--	--	--	--	--	--	--	--
01198880 - WANGUM LAKE BROOK NEAR SOUTH CANAAN CONN. (LAT 41 57 42 LONG 073 18 52)									
OCT., 1972									
25...	--	--	--	--	--	--	--	--	--
JAN., 1973									
16...	--	--	--	--	--	--	--	--	--
APR.									
17...	--	--	--	--	--	--	--	--	--
17...	4	<33	<3	--	<3	1	--	<1	<3
JUNE									
19...	--	--	--	--	--	--	--	--	--
JULY									
17...	--	--	--	--	--	--	--	--	--
01199000 - HOUSATONIC R AT FALLS VILLAGE, CT. (LAT 41 57 29 LONG 073 22 11)									
OCT., 1972									
26...	--	--	--	--	--	--	--	--	--
JAN., 1973									
17...	--	--	--	--	--	--	--	--	--
APR.									
18...	--	--	--	--	--	--	--	--	--
18...	10	<49	<4	--	<4	2	--	<2	<4
JUNE									
20...	--	--	--	--	--	--	--	--	--
JULY									
19...	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED IRON (FE) (UG/L)	IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
QUINNIPIAC RIVER BASIN--Continued									
01196500 - QUINNIPIAC R AT WALLINGFORD, CT. (LAT 41 26 58 LONG 072 58 29)									
OCT., 1972									
17...	190	--	4	--	--	230	--	--	--
17...	150	--	<4	--	<10	230	--	--	<2
NOV.									
14...	300	--	10	--	--	170	--	--	--
DEC.									
12...	200	--	3	--	--	100	--	--	--
JAN., 1973									
09...	240	--	2	--	--	190	--	--	--
FEB.									
06...	160	--	4	--	--	110	--	--	--
MAR.									
06...	270	--	0	--	--	210	--	--	--
APR.									
10...	170	--	2	--	--	130	--	--	--
10...	170	--	3	--	<10	140	--	--	<2
MAY									
15...	250	--	3	--	--	160	--	--	--
JUNE									
12...	70	--	3	--	--	90	--	--	--
JULY									
10...	180	--	3	--	--	100	--	--	--
AUG.									
07...	60	--	2	--	--	170	--	--	--
SEP.									
11...	70	--	3	--	--	150	--	--	--
HOUSATONIC RIVER BASIN--Continued									
01198800 - MOLLENBECK RIVER AT HUNTSVILLE CONNECTICUT (LAT 41 56 55 LONG 073 19 18)									
OCT., 1972									
26...	80	--	--	--	--	10	--	--	--
JAN., 1973									
17...	130	--	--	--	--	20	--	--	--
APR.									
18...	60	--	--	--	--	0	--	--	--
18...	44	--	<2	--	<10	16	--	--	<1
JUNE									
20...	90	--	--	--	--	30	--	--	--
JULY									
19...	30	--	--	--	--	10	--	--	--
01198851 - WANGUM LAKE BROOK NR HUNTSVILLE CONN (LAT 41 56 36 LONG 073 17 08)									
OCT., 1972									
25...	40	--	--	--	--	0	--	--	--
JAN., 1973									
16...	70	--	--	--	--	0	--	--	--
APR.									
17...	50	--	--	--	--	10	--	--	--
17...	28	--	<2	--	<10	4	--	--	<1
JUNE									
19...	90	--	--	--	--	0	--	--	--
JULY									
17...	90	--	--	--	--	0	--	--	--
01198880 - WANGUM LAKE BROOK NEAR SOUTH CANAAN CONN. (LAT 41 57 42 LONG 073 18 52)									
OCT., 1972									
25...	130	--	--	--	--	30	--	--	--
JAN., 1973									
16...	90	--	--	--	--	40	--	--	--
APR.									
17...	70	--	--	--	--	30	--	--	--
17...	44	--	<3	--	<10	22	--	--	<1
JUNE									
19...	160	--	--	--	--	110	--	--	--
JULY									
17...	130	--	--	--	--	60	--	--	--
01199000 - HOUSATONIC R AT FALLS VILLAGE, CT. (LAT 41 57 26 LONG 073 22 11)									
OCT., 1972									
26...	170	--	--	--	--	110	--	--	--
JAN., 1973									
17...	180	--	--	--	--	60	--	--	--
APR.									
18...	100	--	--	--	--	40	--	--	--
18...	73	--	<4	--	<10	74	--	--	<2
JUNE									
20...	60	--	--	--	--	80	--	--	--
JULY									
19...	0	--	--	--	--	10	--	--	--

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
QUINNIPIAC RIVER BASIN--Continued									
01196500 - QUINNIPIAC R AT WALLINGFORD, CT. (LAT 41 26 50 LONG 072 50 29)									
OCT., 1972									
17...	--	3	--	--	--	--	--	50	--
17...	26	--	<1	120	<4	<4	<4.0	<250	<8
NOV.									
14...	--	5	--	--	--	--	--	60	--
DEC.									
17...	--	0	--	--	--	--	--	30	--
JAN., 1973									
09...	--	4	--	--	--	--	--	40	--
FEB.									
06...	--	1	--	--	--	--	--	40	--
MAR.									
06...	--	2	--	--	--	--	--	20	--
APR.									
10...	--	1	--	--	--	--	--	20	--
10...	8	--	<1	74	<3	<3	<3.0	<170	<6
MAY									
15...	--	1	--	--	--	--	--	20	--
JUNE									
12...	--	0	--	--	--	--	--	0	--
JULY									
10...	--	1	--	--	--	--	--	10	--
AUG.									
07...	--	6	--	--	--	--	--	20	--
SEP.									
11...	--	2	--	--	--	--	--	20	--
HOUSATONIC RIVER BASIN--Continued									
01198000 - HOLLENBECK RIVER AT HUNTSVILLE CONNECTICUT (LAT 41 56 55 LONG 073 19 18)									
OCT., 1972									
26...	--	--	--	--	--	--	--	--	--
JAN., 1973									
17...	--	--	--	--	--	--	--	--	--
APR.									
18...	--	--	--	--	--	--	--	--	--
18...	<2	--	<1	27	<2	<2	<2.0	<130	<4
JUNE									
20...	--	--	--	--	--	--	--	--	--
JULY									
19...	--	--	--	--	--	--	--	--	--
01198051 - WANGUM LAKE BROOK NR HUNTSVILLE CONN (LAT 41 56 38 LONG 073 17 08)									
OCT., 1972									
25...	--	--	--	--	--	--	--	--	--
JAN., 1973									
16...	--	--	--	--	--	--	--	--	--
APR.									
17...	--	--	--	--	--	--	--	--	--
17...	<2	--	<1	18	<2	<2	<2.0	<100	<4
JUNE									
19...	--	--	--	--	--	--	--	--	--
JULY									
17...	--	--	--	--	--	--	--	--	--
01198800 - WANGUM LAKE BROOK NEAR SOUTH CANAAN CONN. (LAT 41 57 42 LONG 073 18 52)									
OCT., 1972									
25...	--	--	--	--	--	--	--	--	--
JAN., 1973									
16...	--	--	--	--	--	--	--	--	--
APR.									
17...	--	--	--	--	--	--	--	--	--
17...	<3	--	<1	27	<3	<3	<3.0	<150	<5
JUNE									
19...	--	--	--	--	--	--	--	--	--
JULY									
17...	--	--	--	--	--	--	--	--	--
01199000 - HOUSATONIC R AT FALLS VILLAGE, CT. (LAT 41 57 26 LONG 073 22 11)									
OCT., 1972									
26...	--	--	--	--	--	--	--	--	--
JAN., 1973									
17...	--	--	--	--	--	--	--	--	--
APR.									
18...	--	--	--	--	--	--	--	--	--
18...	<6	--	<1	67	<6	<6	<6.0	<220	<7
JUNE									
20...	--	--	--	--	--	--	--	--	--
JULY									
19...	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)
HOUSATONIC RIVER BASIN--Continued										
01200000 - TENMILE R NR GAYLORDSVILLE, CT. (LAT 41 39 32 LONG 073 31 44)										
NOV., 1972										
17...	1005	2	690	2.0	.5	--	0	--	--	--
01204000 - POMPERAUG R AT SOUTHBURY, CT. (LAT 41 29 50 LONG 073 13 30)										
OCT., 1972										
17...	1620	2	31	9.5	15.0	--	--	--	--	--
17...	1625	2	--	--	--	20	--	15	<1	<2
NOV.										
14...	1520	2	860	5.0	7.0	--	--	--	--	--
DEC.										
12...	1555	2	305	2.0	4.5	--	--	--	--	--
JAN., 1973										
09...	1510	2	280	1.0	-5.5	--	--	--	--	--
FEB.										
06...	1425	2	305	1.0	--	--	--	--	--	--
MAR.										
06...	1515	2	150	4.0	7.0	--	--	--	--	--
APR.										
10...	1525	2	910	8.5	11.0	--	--	--	--	--
10...	1535	2	--	--	--	110	--	9	<1	<1
MAY										
15...	1455	2	155	12.0	19.0	--	--	--	--	--
JUNE										
12...	1145	2	50	24.5	32.0	--	--	--	--	--
JULY										
10...	1125	2	195	28.0	29.0	--	--	--	--	--
AUG.										
07...	1220	2	50	22.0	29.0	--	--	--	--	--
SEP.										
11...	1530	2	17	18.0	26.0	--	--	--	--	--
01205500 - HOUSATONIC R AT STEVENSON, CT. (LAT 41 23 02 LONG 073 10 05)										
OCT., 1972										
17...	1515	2	134	15.0	15.5	--	--	--	--	--
17...	1520	2	--	--	--	95	--	16	<2	<4
NOV.										
14...	1415	2	6500	9.0	7.0	--	--	--	--	--
DEC.										
12...	1445	2	6440	2.0	5.0	--	--	--	--	--
JAN., 1973										
09...	1345	2	3110	.5	-5.0	--	--	--	--	--
FEB.										
06...	1305	2	9200	2.0	--	--	--	--	--	--
MAR.										
06...	1410	2	5720	2.5	9.5	--	--	--	--	--
APR.										
10...	1410	2	9600	8.0	12.5	--	--	--	--	--
10...	1420	2	--	--	--	58	--	12	<1	<3
MAY										
15...	1355	2	5560	13.5	14.0	--	--	--	--	--
JUNE										
12...	1065	2	5300	18.5	31.0	--	--	--	--	--
JULY										
10...	1020	2	5500	20.0	27.0	--	--	--	--	--
AUG.										
07...	1115	2	5200	23.5	29.0	--	--	--	--	--
SEP.										
11...	1355	2	1690	23.5	25.0	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)
HOUSATONIC RIVER BASIN--Continued									
01200000 - TENMILE R NR GAYLORDSVILLE, CT. (LAT 41 39 32 LONG 073 31 44)									
NOV., 1972									
17...	--	--	--	--	--	--	0	--	--
01204000 - POMPERAUG R AT SOUTHBURY, CT. (LAT 41 28 50 LONG 073 13 30)									
OCT., 1972									
17...	--	--	--	0	--	0	--	--	--
17...	18	<27	<2	--	<2	<1	--	<1	<2
NOV.									
14...	--	--	--	--	--	--	--	--	--
DEC.									
12...	--	--	--	--	--	--	--	--	--
JAN., 1973									
09...	--	--	--	0	--	0	--	--	--
FEB.									
06...	--	--	--	--	--	--	--	--	--
MAR.									
06...	--	--	--	--	--	--	--	--	--
APR.									
10...	--	--	--	0	--	0	--	--	--
10...	7	<14	<1	--	<1	4	--	<1	<1
MAY									
15...	--	--	--	--	--	--	--	--	--
JUNE									
12...	--	--	--	--	--	--	--	--	--
JULY									
10...	--	0	--	0	--	20	--	--	--
AUG.									
07...	--	--	--	--	--	--	--	--	--
SEP.									
11...	--	--	--	--	--	--	--	--	--
01205500 - HOUSATONIC R AT STEVENSON, CT. (LAT 41 23 02 LONG 073 10 05)									
OCT., 1972									
17...	--	--	--	0	--	0	--	--	--
17...	38	<50	<4	--	<4	4	--	<2	<4
NOV.									
14...	--	--	--	--	--	--	--	--	--
DEC.									
12...	--	--	--	--	--	--	--	--	--
JAN., 1973									
09...	--	--	--	0	--	0	--	--	--
FEB.									
06...	--	--	--	--	--	--	--	--	--
MAR.									
06...	--	--	--	--	--	--	--	--	--
APR.									
10...	--	--	--	0	--	0	--	--	--
10...	12	<31	<3	--	<3	5	--	<1	<3
MAY									
15...	--	--	--	--	--	--	--	--	--
JUNE									
12...	--	--	--	--	--	--	--	--	--
JULY									
10...	--	0	--	0	--	20	--	--	--
AUG.									
07...	--	--	--	--	--	--	--	--	--
SEP.									
11...	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED IRON (FE) (UG/L)	IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MOLYBDENUM (MO) (UG/L)
HOUSATONIC RIVER BASIN--Continued									
01200000 - TENMILE R NR GAYLORDSVILLE, CT. (LAT 41 39 32 LONG 073 31 44)									
NOV., 1972									
17...	--	300	--	2	--	--	20	<.5	--
01204000 - POMPERAUG R AT SOUTHBURY, CT. (LAT 41 28 50 LONG 073 13 30)									
OCT., 1972									
17...	160	--	2	--	--	40	--	--	--
17...	110	--	<2	--	<10	40	--	--	<1
NOV.									
14...	230	--	--	--	--	10	--	--	--
DEC.									
12...	100	--	--	--	--	20	--	--	--
JAN., 1973									
09...	120	--	1	--	--	20	--	--	--
FEB.									
06...	80	--	--	--	--	0	--	--	--
MAR.									
06...	120	--	--	--	--	40	--	--	--
APR.									
10...	100	--	0	--	--	20	--	--	--
10...	170	--	1	--	<10	22	--	--	<1
MAY									
15...	90	--	--	--	--	10	--	--	--
JUNE									
12...	150	--	--	--	--	40	--	--	--
JULY									
10...	190	--	3	--	--	30	--	--	--
AUG.									
07...	80	--	--	--	--	60	--	--	--
SEP.									
11...	980	--	--	--	--	110	--	--	--
01205500 - HOUSATONIC R AT STEVENSON, CT. (LAT 41 23 02 LONG 073 10 05)									
OCT., 1972									
17...	60	--	2	--	--	30	--	--	--
17...	35	--	<4	--	<10	32	--	--	<1
NOV.									
14...	120	--	--	--	--	10	--	--	--
DEC.									
12...	80	--	--	--	--	0	--	--	--
JAN., 1973									
09...	80	--	1	--	--	0	--	--	--
FEB.									
06...	80	--	--	--	--	60	--	--	--
MAR.									
06...	110	--	--	--	--	60	--	--	--
APR.									
10...	60	--	0	--	--	30	--	--	--
10...	66	--	<1	--	<10	27	--	--	<1
MAY									
15...	30	--	--	--	--	0	--	--	--
JUNE									
12...	50	--	--	--	--	20	--	--	--
JULY									
10...	110	--	2	--	--	40	--	--	--
AUG.									
07...	750	--	--	--	--	50	--	--	--
SEP.									
11...	1400	--	--	--	--	230	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
HOUSATONIC RIVER BASIN--Continued									
01200000 - TENMILE R NR GAYLORDSVILLE, CT. (LAT 41 39 32 LONG 073 31 44)									
NOV., 1972									
17...	--	--	--	--	--	--	--	--	--
01204000 - PUMPERNUG R AT SOUTHBURY, CT. (LAT 41 28 50 LONG 073 13 30)									
OCT., 1972									
17...	--	0	--	--	--	--	--	0	--
17...	6	--	<1	66	<2	<2	<2.0	<120	<6
NOV.									
14...	--	--	--	--	--	--	--	--	--
DEC.									
12...	--	--	--	--	--	--	--	--	--
JAN., 1973									
09...	--	1	--	--	--	--	--	0	--
FEB.									
06...	--	--	--	--	--	--	--	--	--
MAR.									
06...	--	--	--	--	--	--	--	--	--
APR.									
10...	--	0	--	--	--	--	--	0	--
10...	2	--	<1	33	<1	10	<1	<60	<2
MAY									
15...	--	--	--	--	--	--	--	--	--
JUNE									
12...	--	--	--	--	--	--	--	--	--
JULY									
10...	--	1	--	--	--	--	--	0	--
AUG.									
07...	--	--	--	--	--	--	--	--	--
SEP.									
11...	--	--	--	--	--	--	--	--	--
01205500 - HOUSATONIC R AT STEVENSON, CT. (LAT 41 23 02 LONG 073 10 05)									
OCT., 1972									
17...	--	6	--	--	--	--	--	6	--
17...	6	--	<1	67	<6	<6	<6.0	<230	<8
NOV.									
14...	--	--	--	--	--	--	--	--	--
DEC.									
12...	--	--	--	--	--	--	--	--	--
JAN., 1973									
09...	--	1	--	--	--	--	--	10	--
FEB.									
06...	--	--	--	--	--	--	--	--	--
MAR.									
06...	--	--	--	--	--	--	--	--	--
APR.									
10...	--	0	--	--	--	--	--	10	--
10...	<3	--	<1	38	<3	<3	<3	<140	<5
MAY									
15...	--	--	--	--	--	--	--	--	--
JUNE									
12...	--	--	--	--	--	--	--	--	--
JULY									
10...	--	1	--	--	--	--	--	10	--
AUG.									
07...	--	--	--	--	--	--	--	--	--
SEP.									
11...	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TYPE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)
				SAUGATUCK RIVER BASIN						
01208896 - SAUGATUCK R NR REDDING, CT. (LAT 41 17 40 LONG 073 23 44)										
OCT., 1972										
17...	1130	2	8.5	9.5	14.0	--	--	--	--	--
17...	1135	2	--	--	--	19	--	19	<1	<3
NOV.										
14...	1210	2	150	6.5	8.0	--	--	--	--	--
DEC.										
12...	1200	2	110	1.5	5.5	--	--	--	--	--
JAN., 1973										
09...	1125	2	60	1.0	-0.0	--	--	--	--	--
FEB.										
06...	1105	2	200	2.0	--	--	--	--	--	--
MAR.										
06...	1145	2	44	4.5	10.0	--	--	--	--	--
APR.										
10...	1215	2	300	8.0	10.0	--	--	--	--	--
10...	1225	2	--	--	--	47	--	11	<1	<2
MAY										
15...	1145	2	40	13.0	14.0	--	--	--	--	--
JUNE										
12...	0930	2	18	22.0	20.5	--	--	--	--	--
JULY										
10...	0945	2	46	20.0	24.5	--	--	--	--	--
AUG.										
07...	0950	2	14	20.5	28.0	--	--	--	--	--
SEP.										
11...	1235	2	21	18.0	20.5	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)
SAUGATUCK RIVER BASIN--Continued									
01208990 - SAUGATUCK R NR REDDING, CT, (LAT 41 17 40 LONG 073 21 44)									
OCT., 1972									
17...	--	--	--	0	--	0	--	--	--
17...	10	<27	<3	--	<3	<1	--	<2	<3
NOV.									
14...	--	--	--	--	--	--	--	--	--
DEC.									
12...	--	--	--	--	--	--	--	--	--
JAN., 1973									
09...	--	--	--	0	--	0	--	--	--
FEB.									
06...	--	--	--	--	--	--	--	--	--
MAR.									
06...	--	--	--	--	--	--	--	--	--
APR.									
10...	--	--	--	0	--	0	--	--	--
10...	10	<19	<2	--	<2	2	--	<1	<2
MAY									
15...	--	--	--	--	--	--	--	--	--
JUNE									
12...	--	--	--	--	--	--	--	--	--
JULY									
10...	--	0	--	0	--	0	--	--	--
AUG.									
07...	--	--	--	--	--	--	--	--	--
SEP.									
11...	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

SAUGATUCK RIVER BASIN--Continued

01208990 - SAUGATUCK R NW REDDING, CT. (LAT 41 17 40 LONG 073 23 44)

DATE	DIS-SOLVED IRON (FE) (UG/L)	IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
OCT., 1972									
17...	140	--	1	--	--	10	--	--	--
17...	96	--	<3	--	<10	12	--	--	<2
NOV.									
14...	150	--	--	--	--	10	--	--	--
DEC.									
12...	60	--	--	--	--	0	--	--	--
JAN., 1973									
09...	80	--	2	--	--	0	--	--	--
FEB.									
06...	60	--	--	--	--	0	--	--	--
MAR.									
06...	90	--	--	--	--	20	--	--	--
APR.									
10...	70	--	0	--	--	0	--	--	--
10...	58	--	2	--	<10	15	--	--	<1
MAY									
15...	140	--	--	--	--	0	--	--	--
JUNE									
12...	130	--	--	--	--	0	--	--	--
JULY									
10...	340	--	4	--	--	20	--	--	--
AUG.									
07...	160	--	--	--	--	20	--	--	--
SEP.									
11...	1100	--	--	--	--	70	--	--	--

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

SAUGATUCK RIVER BASIN--Continued

01208990 - SAUGATUCK R NR REDDING, CT. (LAT 41 17 40 LONG 073 23 44)

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
OCT., 1972									
17...	--	2	--	--	--	--	--	0	--
17...	<3	--	<1	56	<3	<3	<3.0	<170	<6
NOV.									
14...	--	--	--	--	--	--	--	--	--
DEC.									
12...	--	--	--	--	--	--	--	--	--
JAN., 1973									
09...	--	3	--	--	--	--	--	0	--
FEB.									
06...	--	--	--	--	--	--	--	--	--
MAR.									
06...	--	--	--	--	--	--	--	--	--
APR.									
10...	--	0	--	--	--	--	--	0	--
10...	<2	--	<1	33	<2	<2	<2	<85	<3
MAY									
15...	--	--	--	--	--	--	--	--	--
JUNE									
12...	--	--	--	--	--	--	--	--	--
JULY									
10...	--	0	--	--	--	--	--	10	--
AUG.									
07...	--	--	--	--	--	--	--	--	--
SEP.									
11...	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	ALDRIN (UG/L)	CHLOR-DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
THAMES RIVER BASIN										
01127000 - QUINEBAUG RIVER AT JEWETT CITY, CONN. (LAT 41 35 52 LONG 071 59 05)										
OCT., 1972										
16...	794	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1973										
08...	2310	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
11...	700	.00	.0	.00	.00	.00	.01	.00	.00	.00
01127500 - YANTIC RIVER AT YANTIC, CONN. (LAT 41 33 31 LONG 072 07 19)										
OCT., 1972										
16...	88	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1973										
08...	450	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
11...	45	.00	.0	.00	.00	.00	.00	.00	.00	.00
CONNECTICUT RIVER BASIN										
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE, CONN. (LAT 41 59 14 LONG 072 36 21)										
OCT., 1972										
19...	4,710	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1973										
11...	14,700	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
14...	18,200	.00	.0	.00	.00	.00	.00	.00	.00	.00
01188000 - BURLINGTON BROOK NEAR BURLINGTON, CONN. (LAT 41 47 10 LONG 072 57 55)										
OCT., 1972										
18...	3.4	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1973										
10...	6.0	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
13...	4.8	.00	.0	.00	.00	.00	.00	.00	.00	.00
01189995 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 30 LONG 072 45 40)										
OCT., 1972										
18...	940	.00	E.0	.00	.00	.00	<.01	.00	.00	.00
JAN., 1973										
10...	1380	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
13...	720	.00	.0	.00	.00	.00	.01	.00	.00	.00
01193050 - CONNECTICUT RIVER AT MIDDLE HADDAM, CONN (LAT 41 32 30 LONG 072 33 13)										
OCT., 1972										
18...	--	.00	E.0	.00	.00	.00	<.01	.00	.00	.00
JAN., 1973										
10...	--	.00	.0	.00	.00	.00	.00	.00	.00	--
JUNE										
13...	--	.00	.0	.00	.00	.00	.00	.00	.00	.00
01193500 - SALMON RIVER NEAR EAST HAMPTON, CONN. (LAT 41 33 11 LONG 072 26 57)										
OCT., 1972										
16...	110	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1973										
08...	150	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
11...	85	.00	.0	.00	.00	.00	.00	.00	.00	.00
QUINNIPIAC RIVER BASIN										
01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 58 LONG 072 50 29)										
OCT., 1972										
17...	225	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1973										
09...	280	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
12...	165	.00	.0	.00	.00	.00	<.01	.00	.00	.00
HOUSATONIC RIVER BASIN										
01198800 - MOLLENBECK RIVER AT HUNTSVILLE CONNECTICUT (LAT 41 56 55 LONG 073 19 18)										
OCT., 1972										
26...	5.6	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JUNE, 1973										
20...	11	.00	.0	.00	.00	.00	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	LINDANE (UG/L)	TOX-APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	DI-AZINON (UG/L)	ETHION (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)
THAMES RIVER BASIN--Continued									
01127000 - QUINEBAUG RIVER AT JEWETT CITY, CONN. (LAT 41 35 52 LONG 071 59 05)									
OCT., 1972									
16...	.00	E.0	.00	.00	.07	.00	.00	.00	.00
JAN., 1973									
08...	.00	.0	.00	.00	.02	.00	.00	.00	.00
JUNE									
11...	.00	.0	.02	.00	<.01	.00	.00	.00	.00
01127500 - YANTIC RIVER AT YANTIC, CONN. (LAT 41 33 31 LONG 072 07 19)									
OCT., 1972									
16...	.00	E.0	.00	.01	.00	.00	.00	.00	.00
JAN., 1973									
08...	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE									
11...	.00	.0	.00	.00	.00	.00	.00	.00	.00
CONNECTICUT RIVER BASIN--Continued									
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE, CONN. (LAT 41 59 14 LONG 072 36 21)									
OCT., 1972									
19...	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1973									
11...	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE									
14...	.00	.0	--	--	--	.00	.00	.00	.00
01188000 - BURLINGTON BROOK NEAR BURLINGTON, CONN. (LAT 41 47 10 LONG 072 57 55)									
OCT., 1972									
18...	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1973									
10...	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE									
13...	.00	.0	--	--	--	.00	.00	.00	.00
01189995 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 38 LONG 072 45 40)									
OCT., 1972									
18...	.00	E.0	.00	.00	.03	.00	.00	.00	.00
JAN., 1973									
10...	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE									
13...	.00	.0	.00	.00	.00	.00	.00	.00	.00
01193050 - CONNECTICUT RIVER AT MIDDLE HADDAM, CONN (LAT 41 32 38 LONG 072 33 13)									
OCT., 1972									
18...	.00	E.0	.00	.01	<.01	.00	.00	.00	.00
JAN., 1973									
10...	.00	--	.00	.00	.00	.00	.00	.00	.00
JUNE									
13...	.00	.0	.03	.00	<.01	.00	.00	.00	.00
01193500 - SALMON RIVER NEAR EAST HAMPTON, CONN. (LAT 41 33 11 LONG 072 26 57)									
OCT., 1972									
16...	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1973									
08...	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE									
11...	.00	.0	.00	.00	.00	.00	.00	.00	.00
QUINNIPIAC RIVER BASIN--Continued									
01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 58 LONG 072 50 29)									
OCT., 1972									
17...	.00	E.0	.00	.00	.00	.01	.00	.00	.00
JAN., 1973									
09...	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE									
12...	.00	.0	.02	.00	.01	.00	.00	.00	.00
HOUSATONIC RIVER BASIN--Continued									
01198800 - HOLLENBECK RIVER AT HUNTSVILLE CONNECTICUT (LAT 41 36 55 LONG 073 19 18)									
OCT., 1972									
26...	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JUNE, 1973									
20...	.00	.0	.00	.00	.00	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	METHYL TRI-THION (UG/L)	PARA-THION (UG/L)	TRI-THION (UG/L)	PCB (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IN-ORGANIC CARBON (C) (MG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DDD IN BOTTOM DE-POSITS (UG/KG)
THAMES RIVER BASIN--Continued									
01127000 - QUINEBAUG RIVER AT JEWETT CITY, CONN. (LAT 41 35 52 LONG 071 59 05)									
OCT., 1972									
16...	.00	.00	.00	<.1	5.0	--	.0	E3	.0
JAN., 1973									
08...	.00	.00	.00	.0	7.0	--	--	--	--
JUNE									
11...	.00	.00	.00	.0	6.0	2.7	--	--	--
01127500 - YANTIC RIVER AT YANTIC, CONN. (LAT 41 33 31 LONG 072 07 19)									
OCT., 1972									
16...	.00	.00	.00	.0	4.5	--	.0	E0	.0
JAN., 1973									
08...	.00	.00	.00	.0	5.0	--	--	--	--
JUNE									
11...	.00	.00	.00	.0	4.7	2.3	--	--	--
CONNECTICUT RIVER BASIN--Continued									
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE, CONN. (LAT 41 59 14 LONG 072 36 21)									
OCT., 1972									
19...	.00	.00	.00	E.0	2.0	--	.0	E6.0	.0
JAN., 1973									
11...	.00	.00	.00	.0	12.0	--	--	--	--
JUNE									
14...	.00	.00	.00	.0	3.6	5.9	--	--	--
01188000 - BURLINGTON BROOK NEAR BURLINGTON, CONN. (LAT 41 47 10 LONG 072 57 55)									
OCT., 1972									
18...	.00	.00	.00	E.0	2.5	--	.0	E0	.7
JAN., 1973									
10...	.00	.00	.00	.0	5.5	--	--	--	--
JUNE									
13...	.00	.00	.00	.0	2.6	1.4	--	--	--
01189995 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 30 LONG 072 45 40)									
OCT., 1972									
18...	.00	.00	.00	<.1	2.5	--	.0	E0	.0
JAN., 1973									
10...	.00	.00	.00	.0	4.0	--	--	--	--
JUNE									
13...	.00	.00	.00	.0	3.2	5.0	--	--	--
01193050 - CONNECTICUT RIVER AT MIDDLE HADDAM, CONN (LAT 41 32 38 LONG 072 33 13)									
OCT., 1972									
18...	.00	.00	.00	E.0	2.5	--	.0	E30	6.0
JAN., 1973									
10...	.00	.00	.00	.0	13	--	--	--	--
JUNE									
13...	.00	.00	.00	.0	4.1	5.2	--	--	--
01193500 - SALMON RIVER NEAR EAST HAMPTON, CONN. (LAT 41 33 11 LONG 072 26 57)									
OCT., 1972									
16...	.00	.00	.00	E.0	.5	--	.0	E0	.0
JAN., 1973									
08...	.00	.00	.00	.0	.5	--	--	--	--
JUNE									
11...	.00	.00	.00	.0	3.2	1.7	--	--	--
QUINNIPIAC RIVER BASIN--Continued									
01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 58 LONG 072 50 29)									
OCT., 1972									
17...	.00	.00	.00	<.1	3.0	--	.0	E140	220
JAN., 1973									
09...	.00	.00	.00	.0	3.5	--	--	--	--
JUNE									
12...	.00	.00	.00	.0	3.0	15	--	--	--
HOUSATONIC RIVER BASIN--Continued									
01198000 - HOLLENBECK RIVER AT HUNTSVILLE CONNECTICUT (LAT 41 56 55 LONG 073 19 18)									
OCT., 1972									
26...	.00	.00	.00	E.0	.0	--	.0	E0	<.1
JUNE, 1973									
20...	.00	.00	.00	.0	.0	20	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DDE IN BOTTOM DEPOSITS (UG/KG)	DDT IN BOTTOM DEPOSITS (UG/KG)	DIELDRIN IN BOTTOM DEPOSITS (UG/KG)	ENDRIN IN BOTTOM DEPOSITS (UG/KG)	HEPTACHLOR IN BOTTOM DEPOSITS (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM DEPOSITS (UG/KG)	LINDANE IN BOTTOM DEPOSITS (UG/KG)	TOXAPHENE IN BOTTOM DEPOSITS (UG/KG)	PCB IN BOTTOM DEPOSITS (UG/KG)
THAMES RIVER BASIN--Continued									
01127000 - QUINEBAUG RIVER AT JEWETT CITY, CONN. (LAT 41 35 52 LONG 071 59 05)									
OCT., 1972									
16...	.0	.0	<.1	.0	.0	.0	.0	E0	E25
JAN., 1973									
08...	--	--	--	--	--	--	--	--	--
JUNE									
11...	--	--	--	--	--	--	--	--	--
01127500 - YANTIC RIVER AT YANTIC, CONN. (LAT 41 33 31 LONG 072 07 19)									
OCT., 1972									
16...	.0	1.6	.0	.0	.0	.0	.0	E0	E0
JAN., 1973									
08...	--	--	--	--	--	--	--	--	--
JUNE									
11...	--	--	--	--	--	--	--	--	--
CONNECTICUT RIVER BASIN--Continued									
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE, CONN. (LAT 41 59 14 LONG 072 36 21)									
OCT., 1972									
19...	.0	.0	.4	.0	.0	.0	.0	E0	E25
JAN., 1973									
11...	--	--	--	--	--	--	--	--	--
JUNE									
14...	--	--	--	--	--	--	--	--	--
01188000 - BURLINGTON BROOK NEAR BURLINGTON, CONN. (LAT 41 47 10 LONG 072 57 55)									
OCT., 1972									
18...	.1	<.1	.0	.0	.0	.0	.0	E0	E0
JAN., 1973									
10...	--	--	--	--	--	--	--	--	--
JUNE									
13...	--	--	--	--	--	--	--	--	--
01189995 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 30 LONG 072 45 40)									
OCT., 1972									
18...	.0	.0	<.1	.0	.0	.0	.0	E0	E0
JAN., 1973									
10...	--	--	--	--	--	--	--	--	--
JUNE									
13...	--	--	--	--	--	--	--	--	--
01193050 - CONNECTICUT RIVER AT MIDDLE HADDAM, CONN (LAT 41 32 30 LONG 072 33 13)									
OCT., 1972									
18...	.6	1.1	2.4	.0	.0	.0	.0	E0	E80
JAN., 1973									
10...	--	--	--	--	--	--	--	--	--
JUNE									
13...	--	--	--	--	--	--	--	--	--
01193500 - SALMON RIVER NEAR EAST HAMPTON, CONN. (LAT 41 33 11 LONG 072 26 57)									
OCT., 1972									
16...	.0	.0	.0	.0	.0	.0	.0	E0	E0
JAN., 1973									
08...	--	--	--	--	--	--	--	--	--
JUNE									
11...	--	--	--	--	--	--	--	--	--
QUINNIPIAC RIVER BASIN--Continued									
01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 58 LONG 072 50 29)									
OCT., 1972									
17...	.0	.0	27	.0	.0	.0	.0	E0	E800
JAN., 1973									
09...	--	--	--	--	--	--	--	--	--
JUNE									
12...	--	--	--	--	--	--	--	--	--
HOUSATONIC RIVER BASIN--Continued									
01198000 - HOLLENBECK RIVER AT HUNTSVILLE CONNECTICUT (LAT 41 56 55 LONG 073 19 14)									
OCT., 1972									
26...	.1	<.1	.0	.0	.0	.0	.0	E0	<5
JUNE, 1973									
20...	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	ALDRIN (UG/L)	CHLOR-DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
HOUSATONIC RIVER BASIN--Continued										
01198851 - WANGUM LAKE BROOK NR HUNTSVILLE CONN (LAT 41 56 36 LONG 073 17 08)										
OCT., 1972										
25...	1.2	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JUNE, 1973										
19...	1.9	.00	.0	.00	.00	.00	.00	.00	.00	.00
01198880 - WANGUM LAKE BROOK NEAR SOUTH CANAAN CONN. (LAT 41 57 42 LONG 073 18 52)										
OCT., 1972										
25...	3.6	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JUNE, 1973										
19...	4.7	.00	.0	.00	.00	.00	.00	.00	.00	.00
01199000 - HOUSATONIC RIVER AT FALLS VILLAGE CONN (LAT 41 57 26 LONG 073 22 11)										
OCT., 1972										
26...	170	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JUNE, 1973										
20...	1550	.00	.0	.00	.00	.00	.00	.00	.00	.00
01204000 - POMPERAUG RIVER AT SOUTHBURY, CONN. (LAT 41 28 50 LONG 073 13 30)										
OCT., 1972										
17...	31	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1973										
09...	280	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
12...	50	.00	.0	.00	.00	.00	.00	.00	.00	.00
01205500 - HOUSATONIC RIVER AT STEVENSON, CONN. (LAT 41 23 02 LONG 073 10 05)										
OCT., 1972										
17...	134	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1973										
09...	3110	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
12...	5380	.00	.0	.00	.00	.00	.00	.00	.00	.00
SAUGATUCK RIVER BASIN										
01208990 - SAUGATUCK RIVER NEAR REDDING, CONN. (LAT 41 17 40 LONG 073 23 44)										
OCT., 1972										
17...	8.5	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1973										
09...	66	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
12...	18	.00	.0	.00	.00	.00	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	LINDANE (UG/L)	TOX-APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	DI-AZINON (UG/L)	ETHION (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)
HOUSATONIC RIVER BASIN--Continued									
01198851 - WANGUM LAKE BROOK NR HUNTSVILLE CONN (LAT 41 56 36 LONG 073 17 06)									
OCT., 1972									
25...	.00	E.0	.00	.00	.01	.00	.00	.00	.00
JUNE, 1973									
19...	.00	.0	.01	.00	.00	.00	.00	.00	.00
01198880 - WANGUM LAKE BROOK NEAR SOUTH CANAAN CONN. (LAT 41 57 42 LONG 073 18 52)									
OCT., 1972									
25...	.00	E.0	.00	.00	.00	.00	.00	.00	.00
JUNE, 1973									
19...	.00	.0	--	--	--	.00	.00	.00	.00
01199000 - HOUSATONIC RIVER AT FALLS VILLAGE CONN (LAT 41 57 26 LONG 073 22 11)									
OCT., 1972									
26...	.00	E.0	.00	.00	.05	.00	.00	.00	.00
JUNE, 1973									
20...	.00	.0	.02	.00	.01	.00	.00	.00	.00
01204000 - PUMPERAUG RIVER AT SOUTHBURY, CONN. (LAT 41 28 50 LONG 073 13 38)									
OCT., 1972									
17...	.00	E.0	.00	.00	.01	.00	.00	.00	.00
JAN., 1973									
09...	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE									
12...	.00	.0	.00	.00	.00	.00	.00	.00	.00
01205500 - HOUSATONIC RIVER AT STEVENSON, CONN. (LAT 41 23 02 LONG 073 10 05)									
OCT., 1972									
17...	.00	E.0	.00	.00	.05	.00	.00	.00	.00
JAN., 1973									
09...	.00	.0	.00	.00	.01	.00	.00	.00	.00
JUNE									
12...	.00	.0	.03	.00	.01	.00	.00	.00	.00
SAUGATUCK RIVER BASIN--Continued									
01208990 - SAUGATUCK RIVER NEAR REDDING, CONN. (LAT 41 17 40 LONG 073 23 44)									
OCT., 1972									
17...	.00	E.0	.03	.00	.11	.00	.00	.00	.00
JAN., 1973									
09...	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE									
12...	.00	.0	.00	.00	.00	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	METHYL TRI-THION (UG/L)	PARA-THION (UG/L)	TRI-THION (UG/L)	PCB (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IN-ORGANIC CARBON (C) (MG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DDD IN BOTTOM DE-POSITS (UG/KG)
HOUSATONIC RIVER BASIN--Continued									
01190851 - WANGUM LAKE BROOK NR HUNTSVILLE CONN (LAT 41 56 36 LONG 073 17 08)									
OCT., 1972									
25...	.00	.00	.00	E.0	.0	--	.0	E0	.0
JUNE, 1973									
19...	.00	.00	.00	.0	1.5	17	--	--	--
01190880 - WANGUM LAKE BROOK NEAR SOUTH CANAAN CONN. (LAT 41 57 42 LONG 073 18 52)									
OCT., 1972									
25...	.00	.00	.00	E.0	.8	--	.0	E0	.0
JUNE, 1973									
19...	.00	.00	.00	.0	.7	26	--	--	--
01199000 - HOUSATONIC RIVER AT FALLS VILLAGE CONN (LAT 41 57 26 LONG 073 22 11)									
OCT., 1972									
20...	.00	.00	.00	<.1	3.0	--	.0	E0	2.5
JUNE, 1973									
20...	.00	.00	.00	<.1	.9	25	--	--	--
01204000 - POMPERAUG RIVER AT SOUTHBURY, CONN. (LAT 41 28 58 LONG 073 13 30)									
OCT., 1972									
17...	.00	.00	.00	E.0	.5	--	.0	E0	.0
JAN., 1973									
09...	.00	.00	.00	.0	5.5	--	--	--	--
JUNE									
12...	.00	.00	.00	.0	2.1	5.2	--	--	--
01205500 - HOUSATONIC RIVER AT STEVENSON, CONN. (LAT 41 23 02 LONG 073 10 05)									
OCT., 1972									
17...	.00	.00	.00	E.0	3.0	--	.0	E0	.0
JAN., 1973									
09...	.00	.00	.00	.0	6.5	--	--	--	--
JUNE									
12...	.00	.00	.00	.0	2.1	15	--	--	--
SAUGATUCK RIVER BASIN--Continued									
01208990 - SAUGATUCK RIVER NEAR REDDING, CONN. (LAT 41 17 40 LONG 073 23 44)									
OCT., 1972									
17...	.00	.00	.00	E.0	2.0	--	.0	E0	3.2
JAN., 1973									
09...	.00	.00	.00	.0	4.5	--	--	--	--
JUNE									
12...	.00	.00	.00	.0	2.3	12	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DDE IN BOTTOM DEPOSITS (UG/KG)	DDT IN BOTTOM DEPOSITS (UG/KG)	DIELDRIN IN BOTTOM DEPOSITS (UG/KG)	ENDRIN IN BOTTOM DEPOSITS (UG/KG)	HEPTACHLOR IN BOTTOM DEPOSITS (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM DEPOSITS (UG/KG)	LINDANE IN BOTTOM DEPOSITS (UG/KG)	TOXAPHENE IN BOTTOM DEPOSITS (UG/KG)	PCB IN BOTTOM DEPOSITS (UG/KG)
HOUSATONIC RIVER BASIN--Continued									
01196851 - WANGUM LAKE BROOK NR HUNTSVILLE CONN (LAT 41 58 36 LONG 073 17 08)									
OCT., 1972									
25...	.0	.0	.0	.0	.0	.0	.0	E0	E0
JUNE, 1973									
19...	--	--	--	--	--	--	--	--	--
01196880 - WANGUM LAKE BROOK NEAR SOUTH CANAAN CONN. (LAT 41 57 42 LONG 073 10 52)									
OCT., 1972									
25...	.0	.0	.0	.0	.0	.0	.0	E0	E0
JUNE, 1973									
19...	--	--	--	--	--	--	--	--	--
01199000 - HOUSATONIC RIVER AT FALLS VILLAGE CONN (LAT 41 57 26 LONG 073 22 11)									
OCT., 1972									
26...	.3	.0	<.1	.0	.0	.0	.0	E0	E70
JUNE, 1973									
20...	--	--	--	--	--	--	--	--	--
01204000 - POMPERAUG RIVER AT SOUTHBURY, CONN. (LAT 41 28 50 LONG 073 13 30)									
OCT., 1972									
17...	.0	.0	.0	.0	.0	.0	.0	E0	E0
JAN., 1973									
09...	--	--	--	--	--	--	--	--	--
JUNE									
12...	--	--	--	--	--	--	--	--	--
01205500 - HOUSATONIC RIVER AT STEVENSON, CONN. (LAT 41 23 02 LONG 073 10 05)									
OCT., 1972									
17...	.0	.0	.0	.0	.0	.0	.0	E0	E10
JAN., 1973									
09...	--	--	--	--	--	--	--	--	--
JUNE									
12...	--	--	--	--	--	--	--	--	--
PAUGATUCK RIVER BASIN--Continued									
01208990 - SAUGATUCK RIVER NEAR REDDING, CONN. (LAT 41 17 40 LONG 073 23 44)									
OCT., 1972									
17...	2.2	54	.6	.0	.0	.0	.0	E0	E0
JAN., 1973									
09...	--	--	--	--	--	--	--	--	--
JUNE									
12...	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
				MILL RIVER BASIN (east of Housatonic River)						
				TOWN OF NEW HAVEN						
NHN 355	41 18 43	072 54 39	01	112SFDF	72-10-30	--	--	--	--	--
				112SFDF	72-11-29	--	--	--	--	--
				112SFDF	73-01-03	--	--	--	--	--
				112SFDF	73-01-31	--	--	--	--	--
				112SFDF	73-02-28	--	--	--	--	--
				112SFDF	73-03-30	--	--	--	--	--
				112SFDF	73-04-30	17	120	26	100	11
				112SFDF	73-05-31	13	120	27	95	11
				112SFDF	73-07-02	--	--	--	--	--
				112SFDF	73-07-31	--	--	--	--	--
				112SFDF	73-08-31	--	--	--	--	--
				WEST RIVER BASIN (west of Quinnipiac River)						
				TOWN OF NEW HAVEN						
NHN 356	41 18 34	072 57 07	01	112SFDF	72-10-30	--	--	--	--	--
				112SFDF	72-11-29	--	--	--	--	--
				112SFDF	73-01-03	--	--	--	--	--
				112SFDF	73-01-31	--	--	--	--	--
				112SFDF	73-02-28	--	--	--	--	--
				112SFDF	73-03-30	--	--	--	--	--
				112SFDF	73-04-30	16	120	16	15	11
				112SFDF	73-05-31	14	110	18	15	10
				112SFDF	73-07-02	--	--	--	--	--
				112SFDF	73-07-31	--	--	--	--	--
				112SFDF	73-08-31	--	--	--	--	--
				LONG ISLAND SOUND						
				TOWN OF NEW HAVEN						
NHN 354	41 18 26	072 55 46	01	112SFDF	72-10-30	--	--	--	--	--
				112SFDF	72-11-29	--	--	--	--	--
				112SFDF	73-01-03	--	--	--	--	--
				112SFDF	73-01-31	--	--	--	--	--
				112SFDF	73-02-28	--	--	--	--	--
				112SFDF	73-03-30	--	--	--	--	--
				112SFDF	73-04-30	20	110	13	48	3.5
				112SFDF	73-05-31	20	110	13	48	3.4
				112SFDF	73-07-02	--	--	--	--	--
				112SFDF	73-07-31	--	--	--	--	--
				112SFDF	73-08-31	--	--	--	--	--
NHN 350	41 18 01	072 54 50	01	112SFDF	72-10-30	--	--	--	--	--
				112SFDF	72-11-29	--	--	--	--	--
				112SFDF	73-01-03	--	--	--	--	--
				112SFDF	73-01-31	--	--	--	--	--
				112SFDF	73-02-28	--	--	--	--	--
				112SFDF	73-03-30	--	--	--	--	--
				112SFDF	73-04-30	20	74	50	110	13
				112SFDF	73-05-31	15	170	52	100	14
				112SFDF	73-07-02	--	--	--	--	--
				112SFDF	73-07-31	--	--	--	--	--
				112SFDF	73-08-31	--	--	--	--	--

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT

LOCAL IDENT-I-FIER	DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE (NO2) (MG/L)
				MILL RIVER BASIN (east of Housatonic River)--Continued						
				TOWN OF NEW HAVEN--Continued						
Wells 255	72-10-30	--	--	--	240	--	--	--	--	--
	72-11-29	--	--	--	250	--	--	--	--	--
	73-01-03	--	--	--	200	--	--	--	--	--
	73-01-31	--	--	--	170	--	--	--	--	--
	73-02-28	--	--	--	160	--	--	--	--	--
	73-03-30	--	--	--	180	--	--	--	--	--
	73-04-30	217	0	120	200	.3	--	--	.00	.02
	73-05-31	240	0	92	210	.3	.13	.17	.00	.03
	73-07-02	--	--	--	200	--	--	--	--	--
	73-07-31	--	--	--	240	--	--	--	--	--
	73-08-31	--	--	--	200	--	--	--	--	--
				WEST RIVER BASIN (west of Quinnipiac River)--Continued						
				TOWN OF NEW HAVEN--Continued						
Wells 256	72-10-30	--	--	--	30	--	--	--	--	--
	72-11-29	--	--	--	72	--	--	--	--	--
	73-01-03	--	--	--	52	--	--	--	--	--
	73-01-31	--	--	--	28	--	--	--	--	--
	73-02-28	--	--	--	28	--	--	--	--	--
	73-03-30	--	--	--	30	--	--	--	--	--
	73-04-30	270	0	170	32	.1	--	--	.01	.05
	73-05-31	260	0	160	28	.2	--	--	.00	.02
	73-07-02	--	--	--	28	--	--	--	--	--
	73-07-31	--	--	--	40	--	--	--	--	--
	73-08-31	--	--	--	110	--	--	--	--	--
				LONG ISLAND SOUND--Continued						
				TOWN OF NEW HAVEN--Continued						
Wells 256	72-10-30	--	--	--	65	--	--	--	--	--
	72-11-29	--	--	--	69	--	--	--	--	--
	73-01-03	--	--	--	150	--	--	--	--	--
	73-01-31	--	--	--	130	--	--	--	--	--
	73-02-28	--	--	--	140	--	--	--	--	--
	73-03-30	--	--	--	120	--	--	--	--	--
	73-04-30	181	0	50	120	.2	--	--	.02	.07
	73-05-31	190	0	100	120	.2	5.8	7.5	.02	.07
	73-07-02	--	--	--	100	--	--	--	--	--
	73-07-31	--	--	--	80	--	--	--	--	--
	73-08-31	--	--	--	36	--	--	--	--	--
Wells 256	72-10-30	--	--	--	300	--	--	--	--	--
	72-11-29	--	--	--	210	--	--	--	--	--
	73-01-03	--	--	--	190	--	--	--	--	--
	73-01-31	--	--	--	190	--	--	--	--	--
	73-02-28	--	--	--	140	--	--	--	--	--
	73-03-30	--	--	--	170	--	--	--	--	--
	73-04-30	338	0	130	160	.1	--	--	.01	.04
	73-05-31	410	0	150	160	.2	1.1	1.4	.02	.07
	73-07-02	--	--	--	140	--	--	--	--	--
	73-07-31	--	--	--	140	--	--	--	--	--
	73-08-31	--	--	--	240	--	--	--	--	--

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

LOCAL IDENT-I-FIER	DATE OF SAMPLE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRATE (NO3) (MG/L)	TOTAL AMMONIA (NH4) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
					HILL RIVER BASIN (east of Housatonic River)--Continued					
					TOWN OF NEW HAVEN--Continued					
NHW 355	72-10-30	--	--	--	--	--	--	--	--	890
	72-11-29	--	--	--	--	--	--	--	--	1260
	73-01-03	--	--	--	--	--	--	--	--	1700
	73-01-31	--	--	--	--	--	--	--	--	1160
	73-02-28	--	--	--	--	--	--	--	--	1190
	73-03-30	--	--	--	--	--	--	--	--	1090
	73-04-30	4.6	20	--	4.6	721	407	229	176	1240
	73-05-31	4.9	22	--	4.9	700	411	216	197	1240
	73-07-02	--	--	--	--	--	--	--	--	1300
	73-07-31	--	--	--	--	--	--	--	--	515
	73-08-31	--	--	--	--	--	--	--	--	1300
					WEST RIVER BASIN (west of Quinnipiac River)--Continued					
					TOWN OF NEW HAVEN--Continued					
NHW 356	72-10-30	--	--	--	--	--	--	--	--	600
	72-11-29	--	--	--	--	--	--	--	--	860
	73-01-03	--	--	--	--	--	--	--	--	1140
	73-01-31	--	--	--	--	--	--	--	--	760
	73-02-28	--	--	--	--	--	--	--	--	1550
	73-03-30	--	--	--	--	--	--	--	--	600
	73-04-30	6.9	31	--	6.9	495	376	152	221	740
	73-05-31	5.8	26	--	5.8	447	350	140	213	712
	73-07-02	--	--	--	--	--	--	--	--	860
	73-07-31	--	--	--	--	--	--	--	--	350
	73-08-31	--	--	--	--	--	--	--	--	585
					LONG ISLAND SOUND--Continued					
					TOWN OF NEW HAVEN--Continued					
NHW 354	72-10-30	--	--	--	--	--	--	--	--	600
	72-11-29	--	--	--	--	--	--	--	--	725
	73-01-03	--	--	--	--	--	--	--	--	1350
	73-01-31	--	--	--	--	--	--	--	--	470
	73-02-28	--	--	--	--	--	--	--	--	410
	73-03-30	--	--	--	--	--	--	--	--	460
	73-04-30	8.8	39	--	9.0	536	326	180	148	852
	73-05-31	8.3	37	--	8.4	540	320	181	148	843
	73-07-02	--	--	--	--	--	--	--	--	850
	73-07-31	--	--	--	--	--	--	--	--	310
	73-08-31	--	--	--	--	--	--	--	--	860
NHW 356	72-10-30	--	--	--	--	--	--	--	--	1310
	72-11-29	--	--	--	--	--	--	--	--	1620
	73-01-03	--	--	--	--	--	--	--	--	2300
	73-01-31	--	--	--	--	--	--	--	--	1650
	73-02-28	--	--	--	--	--	--	--	--	750
	73-03-30	--	--	--	--	--	--	--	--	1600
	73-04-30	6.5	36	--	6.5	785	403	128	276	1510
	73-05-31	7.5	33	--	7.5	821	640	300	343	1540
	73-07-02	--	--	--	--	--	--	--	--	1750
	73-07-31	--	--	--	--	--	--	--	--	1000
	73-08-31	--	--	--	--	--	--	--	--	1650

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

LOCAL IDENTIFICATION	DATE OF SAMPLE	pH (UNITS)	TEMPERATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED MANGANESE (MN) (UG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
MILL RIVER BASIN (east of Housatonic River)--Continued							
TOWN OF NEW HAVEN--Continued							
4MN 255	72-10-30	--	14.5	--	--	--	--
	72-11-29	--	14.0	--	--	--	--
	73-01-03	--	15.0	--	--	--	--
	73-01-31	--	18.0	--	--	--	--
	73-02-28	--	18.5	--	--	--	--
	73-03-30	--	9.5	--	--	--	--
	73-04-30	7.9	12.5	4.0	--	34	2.2
	73-05-31	7.9	15.0	5.0	--	33	2.0
	73-07-02	--	15.0	--	--	--	--
	73-07-31	--	18.5	--	--	--	--
	73-08-31	--	19.0	--	--	--	--
WEST RIVER BASIN (west of Quinnipiac River)--Continued							
TOWN OF NEW HAVEN--Continued							
4MN 256	72-10-30	--	15.0	--	--	--	--
	72-11-29	--	15.0	--	--	--	--
	73-01-03	--	15.0	--	--	--	--
	73-01-31	--	13.0	--	--	--	--
	73-02-28	--	14.0	--	--	--	--
	73-03-30	--	9.0	--	--	--	--
	73-04-30	6.7	15.5	3.0	--	6	.3
	73-05-31	7.6	16.0	7.0	--	6	.3
	73-07-02	--	16.0	--	--	--	--
	73-07-31	--	16.0	--	--	--	--
	73-08-31	--	17.0	--	--	--	--
LONG ISLAND SOUND--Continued							
TOWN OF NEW HAVEN--Continued							
4MN 258	72-10-30	--	15.0	--	--	--	--
	72-11-29	--	15.0	--	--	--	--
	73-01-03	--	16.0	--	--	--	--
	73-01-31	--	13.0	--	--	--	--
	73-02-28	--	13.5	--	--	--	--
	73-03-30	--	9.0	--	--	--	--
	73-04-30	6.0	15.0	3.0	--	2	--
	73-05-31	7.6	17.0	7.0	--	--	--
	73-07-02	--	15.5	--	--	--	--
	73-07-31	--	16.5	--	--	--	--
	73-08-31	--	17.0	--	--	--	--
4MN 259	72-10-30	--	13.5	--	--	--	--
	72-11-29	--	14.0	--	--	--	--
	73-01-03	--	13.0	--	--	--	--
	73-01-31	--	12.0	--	--	--	--
	73-02-28	--	13.5	--	--	--	--
	73-03-30	--	8.5	--	--	--	--
	73-04-30	7.0	14.0	9.0	--	36	2.6
	73-05-31	7.7	13.0	13	--	25	1.7
	73-07-02	--	15.0	--	--	--	--
	73-07-31	--	15.0	--	--	--	--
	73-08-31	--	15.0	--	--	--	--

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PART 3. GROUND-WATER RECORDS

DESCRIPTION OF OBSERVATION WELLS AND WATER LEVELS

WATER LEVEL MEASUREMENTS, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

FAIRFIELD COUNTY

413007073250501. (BD 8) U.S. Geological Survey, Route 7, Brookfield. Bored unused observation water-table well in sand and gravel of Pleistocene age, diam 1¼ in (3.2 cm), depth 53 ft (16 m), well point 50-53 (15-16 m), plastic. Lsd about 255 ft (78 m) above msl. MP top of steel casing, 0.40 ft (0.12 m) above lsd (formerly 1.10 ft [0.34 m]). Highest water level 26.89 (8.20 m) June 26, 1972; lowest 33.05 (10.07 m) Jan. 4, 1967. Records available 1967-73.

1972		1973			
Oct. 23	31.57	Jan. 22	27.80	May 23	28.06
Nov. 28	29.78	Feb. 23	27.55	June 22	29.36
Dec. 22	28.39	Mar. 23	28.05	July 24	29.43
		Apr. 24	27.86	Aug. 21	30.40
				Sept. 21	31.55

411256073153101. (FF 23) U.S. Geological Survey, Merritt Parkway near Route 59, Fairfield. Bored unused observation water-table well in glacial gravel of Pleistocene age, diam 1¼ in (3.2 cm), depth 42 ft (13 m), screened 39-42 (12-13 m), steel. Lsd 130 ft (40 m) above msl. MP top of casing, 2.40 ft (0.73 m) above lsd. Highest water level 4.78 (1.46 m) June 23, 1972; lowest 8.79 (2.68 m) Sept. 25, 1967. Records available 1966-73.

1972		1973			
Oct. 25	7.59	Jan. 22	7.93	Apr. 23	7.74
Nov. 22	7.50	Feb. 22	7.98	May 22	7.25
Dec. 20	7.58	Mar. 23	7.78	June 21	8.26
				July 23	8.66
				Aug. 22	8.30

412429073165101. (NT 15) U.S. Geological Survey, near Fairfield State Hospital, Newtown. Bored unused observation water-table well in glacial sand and gravel of Pleistocene age, diam 1¼ in (3.2 cm), depth 33 ft (10 m), well point 31-33 ft (9-10 m), plastic. Lsd about 265 ft (81 m) above msl. Highest water level 0.61 (0.19 m) June 26, 1972; lowest 10.50 (3.20 m) Oct. 23, 1971. Records available 1967-73.

1972		1973			
Oct. 23	7.84	Jan. 22	2.93	May 23	2.24
Nov. 28	3.20	Feb. 23	3.02	June 22	4.33
Dec. 22	.98	Mar. 23	3.00	July 24	3.93
		Apr. 24	2.20	Aug. 21	5.93
				Sept. 21	7.75

HARTFORD COUNTY

414615072581601. (BU 2) Snow Realty, Bristol, junction of State Route 4 and 69, Burlington. Dug domestic water-table well in glacial till of Pleistocene age, diam 36 in (91 cm), depth 37 (or 38) ft (11 m), stone-lined. Lsd about 880 ft (268 m) above msl. MP top of curb, 3.00 ft (0.91 m) above lsd. Highest water level 12.70 (3.87 m) Aug. 19, 1955; lowest 37.41 (11.40 m) Dec. 22, 1948. Records available 1946-73.

1972		1973			
Oct. 23	26.56	Jan. 22	17.70	May 23	16.85
Nov. 28	25.00	Feb. 23	17.60	June 22	17.74
Dec. 22	18.76	Mar. 23	17.83	July 24	17.58
		Apr. 24	16.60	Aug. 21	19.08
				Sept. 21	21.94

414910072372101. (SW 64) Robert S. Starr, Jr., Main St., South Windsor. Dug unused water-table well in glacial sand of Pleistocene age, diam 24 in (61 cm), depth 18 ft (5 m), brick-lined. Lsd about 40 ft (12 m) above msl. MP top edge of hole in flagstone cover, 0.50 ft (0.15 m) above lsd. Highest water level 7.15 (2.18 m) Mar. 30, 1936; lowest 15.22 (4.64 m) Jan. 26, 1966. Records available 1934-39, 1948-73.

1972		1973			
		Jan. 22	9.37	May 22	8.48
Oct. 25	11.42	Feb. 22	8.77	June 21	9.67
Nov. 22	10.64	Mar. 23	8.40	July 24	9.77
Dec. 20	9.25	Apr. 23	8.57	Aug. 22	10.58
				Sept. 25	10.53

LITCHFIELD COUNTY

420125073193001. (NOC 7) James Lyles, U.S. Route 7 and East Main St., North Canaan. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 12 ft (4 m), stone-lined. Lsd about 675 ft (206 m) above msl. MP top of concrete curb, at lsd. Highest water level 7.60 (2.32 m) Mar. 26, 1963; lowest 11.18 (3.41 m) Sept. 5, 1961. Records available 1958-73.

1972		1973			
				May 23	8.86
Oct. 23	9.38	Jan. 22	9.21	June 22	9.37
Nov. 28	8.84	Feb. 22	9.14	July 24	9.42
Dec. 20	8.80	Mar. 23	8.80	Aug. 21	9.38
		Apr. 24	9.15	Sept. 21	9.54

414910073072301. (T 2) Warrenton Woolen Co., 839 Main St., Torrington. Drilled unused artesian well in crystalline bedrock, diam 8 in (20 cm), depth 381 ft (116 m), cased to 34 (10 m). Lsd about 650 ft (198 m) above msl. MP top of casing at lsd. Highest water level 5.02 (1.53 m) May 8, 1972; lowest 8.60 (2.62 m) Sept. 28, 1964. Records available 1958-73.

1972		1973			
				June 4	6.23
Oct. 2	6.78	Jan. 1	5.42	11	6.59
9	6.12	8	5.82	16	6.55
16	6.56	15	6.40	18	6.70
23	6.67	22	6.40	25	6.84
30	6.76	29	6.14	July 2	6.17
Nov. 7	6.52	Feb. 5	5.60	9	6.27
13	6.20	12	6.05	23	6.72
20	5.78	Mar. 19	5.70	30	6.82
27	5.60	26	5.89	Aug. 6	6.83
Dec. 4	5.76	Apr. 2	5.73	13	6.91
11	5.46	9	5.80	20	7.08
18	5.92	30	6.16	27	7.20
25	5.85	May 7	6.15	Sept. 3	6.88
		14	6.00	10	7.00
		21	5.64	17	7.00
		29	6.04	24	6.99

413202073122401. (WY 1) Irene Thulin, Main St., about 500 ft (152 m) south of Orenaug Rd., Woodbury. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 30 in (76 cm), depth 31 ft (9 m), stone-lined. Lsd about 270 ft (82 m) above msl. MP top of hole in cover, 2.62 ft (0.80 m) above lsd. Recording gage installed Oct. 5, 1965; removed May 18, 1970. Highest water level 19.44 (5.93 m) Apr. 1, 1953; lowest 31.00 (9.45 m) Oct. 14, 1914. Records available 1913-16, 1944-73.

1972		1973			
				May 23	21.24
Oct. 23	29.16	Jan. 22	20.76	June 22	22.04
Nov. 27	26.54	Feb. 23	20.56	July 24	21.80
Dec. 22	20.98	Mar. 23	21.18	Aug. 21	23.12
		Apr. 24	20.74	Sept. 21	26.38

MIDDLESEX COUNTY

413033072432001. (MF 1) Lyman Gun Sight Corp., near Baileyville, Middlefield. Dug unused water-table well in glacial till of Pleistocene age, diam 24 in (61 cm), depth 22 ft (7 m), stone-lined. Lsd about 260 ft (79 m) above msl. MP top of north side of flagstone curb at lsd. Highest water level 3.12 (0.95 m) Apr. 3, 1951; lowest 16.92 (5.16 m) Nov. 24, 1964. Records available 1946-73.

1972		1973			
				May 23	3.30
Oct. 26	13.04	Jan. 23	6.92	June 21	8.55
Nov. 27	3.70	Feb. 21	6.66	July 24	10.24
Dec. 21	5.50	Mar. 26	5.70	Aug. 22	11.64
		Apr. 23	6.42	Sept. 25	13.58

413254072335501. (MT 261) United Aircraft Corp., Middletown. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in (91 cm), depth 28 ft (9 m), stone-lined. Lsd about 145 ft (44 m) above msl. MP top of stone cover at lsd. Highest water level 10.46 (3.19 m) May 21, 1970; lowest dry Dec. 2, 1957. Records available 1956-73.

1972		1973			
Oct. 26	24.00	Jan. 23	19.23	May 23	18.75
Nov. 27	19.26	Feb. 23	18.90	June 21	20.39
Dec. 21	18.51	Mar. 22	19.24	July 24	20.88
		Apr. 23	19.20	Aug. 21	21.61
				Sept. 28	23.33

NEW HAVEN COUNTY

411457072524501. (EHV 70) P. Federico, Silver Sands Rd., East Haven. Dug unused water-table well in glacial till of Pleistocene age, diam 24 in (61 cm), depth 16 ft (5 m), cement tile. Lsd about 25 ft (8 m) above msl. MP top of concrete curb, 2.10 ft (0.64 m) above lsd. Highest water level 6.44 (1.96 m) June 21, 1972; lowest 16.03 (4.89 m) Nov. 22, 1935. Records available 1935-39, 1951-73.

1972		1973			
Oct. 25	12.72	Jan. 22	9.54	May 22	9.54
Nov. 22	9.05	Feb. 22	9.23	June 21	10.92
Dec. 20	9.49	Mar. 23	9.21	July 24	11.70
		Apr. 23	9.16	Aug. 22	12.10
				Sept. 25	11.30

411842072553601. (NHN 170) Yale University, Grove and College Sts., New Haven. Driven unused water-table well in glacial sand of Pleistocene age, diam 2 in (5.1 cm), depth 14 ft (4 m). Lsd 41.09 ft (12.52 m) above msl. MP top of casing 23.39 ft (7.13 m) above msl. Highest water level 19.31 ft (5.89 m) above msl July 24, 1973; lowest 15.64 ft (4.77 m) above msl Jan. 14, 1942. Records available 1939-73.

1972		1973			
Oct. 25	18.04	Jan. 22	18.37	May 22	18.73
Nov. 22	17.83	Feb. 22	18.83	June 21	18.57
Dec. 20	17.99	Mar. 23	18.56	July 24	18.33
		Apr. 23	18.80	Aug. 22	18.20

411840072571001. (NHN 175) Monarch Laundry, Derby Ave. and Ellsworth St., New Haven. Drilled unused water-table well in glacial sand of Pleistocene age, diam 6 in (15 cm), depth 54 ft (16 m). Lsd 32.84 ft (10.01 m) above msl. MP top of shelf, 33.84 ft (10.31 m) above msl. Highest water level 5.42 ft (1.65 m) above msl May 28, 1953; lowest 2.27 ft (0.69 m) above msl Dec. 17, 1941. Records available 1939-73.

1972		1973			
Oct. 25	5.26	Jan. 22	5.11	May 22	5.20
Nov. 22	5.20	Feb. 22	5.13	June 21	5.25
Dec. 20	5.14	Mar. 23	5.13	July 24	5.38
		Apr. 23	5.16	Aug. 22	5.24

411829072542001. (NHN 179, formerly NHN 179a) Porto Construction Co., Grand Ave. and Haven St., New Haven. Driven unused water-table well in glacial sand of Pleistocene age, diam 3 in (7.6 cm), depth 65 ft (20 m). Lsd 13.76 ft (4.19 m) above msl. MP top of casing, 14.36 ft (4.38 m) above msl. Highest water level 1.01 ft (0.30 m) below msl July 24, 1972; lowest 7.57 ft (2.31 m) below msl July 26, 1971. Records available 1957-73.

1972		1973			
Oct. 25	-2.54	Jan. 22	-1.94	May 22	-0.94
Nov. 22	-2.07	Feb. 22	-1.64	June 21	-1.64
Dec. 20	-2.27	Mar. 23	-1.84	July 24	-1.12
		Apr. 23	-1.51	Aug. 22	-1.74

411805072545801. (NHN 235) C. Cowles and Co., Chestnut and Water Sts., New Haven. Drilled unused water-table well in glacial sand of Pleistocene age, diam 8 in (20 cm), depth 39 ft (12 m), screened 28-38 (9-12 m). Lsd 14.80 ft (4.51 m) above msl. MP seat of manhole cover, 14.80 ft (4.51 m) above msl. Fluctuation affected by pumping. Highest water level 3.80 ft (1.16 m) above msl June 23, 1972; lowest 2.30 ft (0.70 m) below msl Aug. 31, 1944. Records available 1940-73.

1972		1973			
Oct. 25	2.82	Jan. 22	3.26	May 22	3.20
Nov. 22	3.14	Feb. 22	3.42	June 21	3.00
Dec. 20	3.33	Mar. 23	3.23	July 24	3.20
		Apr. 23	3.38	Aug. 22	3.20

411826072553601. (NHN 354) City of New Haven, Park Dept., on the Green, New Haven. Bored unused water-table observation well in glacial sand of Pleistocene age, diam 1½ in (3.2 cm), depth 43 ft (13 m). MP top of pipe at lsd. Highest water level 15.26 (4.65 m) June 27, 1972; lowest 17.64 Sept. 23, 1971. Records available 1971-73.

1972		1973			
Oct. 30	18.03	Jan. 3	19.07	Apr. 30	16.52
Nov. 29	18.92	31	18.87	May 31	16.17
		Feb. 28	17.77	July 2	16.20
		Mar. 30	17.57	31	17.10
				Aug. 31	17.30

411843072543901. (NHN 355) City of New Haven, playground at Wallace St., New Haven. Bored unused water-table observation well in glacial sand and gravel of Pleistocene age, diam 1½ in (3.2 cm), depth 39 ft (12 m). MP top of steel coupling at lsd. Highest water level 27.45 (8.37 m) July 26, 1972; lowest 29.40 (8.96 m) Feb. 28, 1972. Records available 1971-73.

1972		1973			
Oct. 30	28.51	Jan. 3	27.94	Apr. 30	27.62
Nov. 29	28.32	31	27.90	May 31	27.49
		Feb. 28	27.72	July 2	27.81
		Mar. 30	27.94	31	27.45
				Aug. 31	27.83

411801072545001. (NHN 356) City of New Haven, Fire Dept. Fire School at Forbes Ave., New Haven. Bored unused water-table well in glacial sand and gravel of Pleistocene age, diam 1½ in (3.2 cm), depth 41 ft (12 m). MP top of steel casing 1.50 ft (0.46 m) above lsd. Highest water level 6.96 (2.12 m) Sept. 23, 1971; lowest 9.72 (2.96 m) June 27, 1972. Records available 1971-73.

1972		1973			
Oct. 30	7.80	Jan. 3	7.18	Apr. 30	7.26
Nov. 29	7.60	31	7.50	May 31	7.29
		Feb. 28	7.40	July 2	7.63
		Mar. 30	7.24	31	7.60
				Aug. 31	7.80

411834072570701. (NHN 358) City of New Haven, School Dept., Barnard St. School, New Haven. Bored unused water-table observation well in glacial sand and gravel of Pleistocene age, diam 1½ in (3.2 cm), depth 44 ft (13 m). MP top of steel casing at lsd. Highest water level 24.60 (7.50 m) June 27, 1972; lowest 26.44 (8.06 m) Feb. 28, 1972. Records available 1971-73.

1972		1973			
Oct. 30	25.79	Jan. 3	25.76	Apr. 30	24.95
Nov. 29	25.80	31	25.48	May 31	24.95
		Feb. 28	25.22	July 2	25.17
		Mar. 30	25.20	31	25.45
				Aug. 31	25.68

413134073021701. (WB 93) Mrs. Simeon W. Nichols, 131 Pearl Lake Rd., Waterbury. Dug unused water-table well in glacial gravel of Pleistocene age, diam 32 in (81 cm), depth 33 ft (10 m), stone-lined. Lsd about 320 ft (98 m) above msl. MP bottom edge of flagstone at northwest corner of well at lsd. Highest water level 23.99 (7.31 m) Apr. 1, 1953; lowest 29.68 (9.05 m) September 27, 1962. Records available 1944-73.

1972		1973			
Oct. 23	27.76	Jan. 22	26.58	May 23	26.71
Nov. 28	26.30	Feb. 23	26.47	June 22	27.28
Dec. 21	25.93	Mar. 23	26.60	July 24	26.43
		Apr. 24	26.28	Aug. 21	28.10
				Sept. 21	28.11

413245072584201. (WB 198) A. A. Baker, 185 Pierpont Rd., Waterbury. Dug domestic water-table well in glacial till of Pleistocene age, diam 30 in (76 m), depth 31 ft (9 m) stone-lined. Lsd about 540 ft (165 m) above msl. MP flagstone at southeast corner of well, at lsd. Highest water level 5.45 (1.66 m) Jan. 10, 1946; lowest 21.00 (6.40 m) Nov. 26, 1949. Records available 1944-73.

1972		1973			
Oct. 23	16.38	Jan. 22	11.76	May 23	11.38
Nov. 28	13.60	Feb. 23	11.36	June 22	12.42
Dec. 22	11.06	Mar. 23	11.55	July 24	12.94
		Apr. 24	11.24	Aug. 21	14.34
				Sept. 21	16.49

WATER LEVEL MEASUREMENTS, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

NEW LONDON COUNTY

412013072030601. (GT 19) John E. Ackley, Jr., Poquonock Plains, Groton. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 18 ft (5 m), stone-lined. Lsd about 22 ft (7 m) above msl. MP bottom of fieldstone on west side of well at lsd. Highest water level 9.98 (3.04 m) Apr. 6, 1970; lowest 17.97 (5.48 m) Oct. 6, 1963. Records available 1958-73.

1972			Feb.	4	12.28	June	20	15.39
Oct.	3	16.68		12	12.80		25	15.63
	9	15.93		20	13.53	July	2	15.85
	24	16.17		26	14.12		10	16.03
Nov.	7	16.05	Mar.	5	14.56		16	15.95
	14	14.28		12	14.48		20	15.68
	20	13.17		20	14.38		30	15.28
	28	13.06		26	14.38	Aug.	6	15.67
Dec.	4	13.35	Apr.	2	14.26		13	15.94
	11	12.02		9	11.94		19	15.44
	19	12.35		15	12.35		24	15.55
	26	12.17		20	13.18	Sept.	1	16.02
				30	13.78		9	16.24
1973			May	7	14.20		16	16.42
Jan.	1	12.81		13	14.46		20	16.43
	9	13.18		20	14.73		24	16.49
	14	13.75		28	13.88			
	20	14.35	June	4	14.29			
	28	14.26		11	14.82			

TOLLAND COUNTY

414548072114501. (MS 19) C. T. DeBoer, State Route 189 and Cemetery Rd., Mansfield. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in (91 cm), depth 22 ft (7 m), cement tile. Lsd about 260 ft (79 m) above msl. MP top of tile at lsd. Highest water level 8.89 (2.71 m) Mar. 24, 1972; lowest 15.72 (4.79 m) Jan. 26, 1966. Records available 1958-73.

1972			1973			May	22	10.05
Oct.	25	11.91	Jan.	22	9.82	June	21	10.71
Nov.	22	10.04	Feb.	22	9.67	July	24	11.14
Dec.	20	9.33	Mar.	23	9.87	Aug.	22	10.92
			Apr.	23	9.64	Sept.	25	11.43

WINDHAM COUNTY

414911071562001. (BK 41) Richard Brouillard, Darby and Barrett Hill Rds., Brooklyn. Drilled unused artesian well in crystalline bedrock, diam 6 in (15 cm), depth 107 ft (33 m), cased to 9 (3 m). Lsd about 330 ft (101 m) above msl. MP top of casing, 1.15 ft (0.35 m) above lsd. Highest water level 4.05 (1.23 m) Mar. 24, 1972; lowest 17.60 (5.36 m) Sept. 27, 1957. Records available 1957-73.

1972			1973			May	22	10.05
Oct.	25	11.47	Jan.	22	9.33	June	21	12.45
Nov.	22	5.82	Feb.	22	9.50	July	24	11.80
Dec.	20	6.49	Mar.	23	9.15	Aug.	22	13.40
			Apr.	23	9.57			

414054071552001. (PL 1) Clifford Starkweather, Pleasant St., Plainfield. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in (91 cm), depth 34 ft (10 m), brick-lined. Lsd about 180 ft (55 m) above msl. MP top of stone curb at lsd. Affected by pumping well 2,000 ft (610 m) distant since about August 1962. Recorder removed June 25, 1968. Highest water level 27.24 (8.30 m) Apr. 28, 1953; lowest 33.22 (10.13 m) Feb. 11, 1966. Records available 1942-73.

1972			1973			May	22	28.87
Oct.	25	30.70	Jan.	22	28.12	June	21	29.94
Nov.	22	30.00	Feb.	22	28.08	July	24	30.34
Dec.	20	27.95	Mar.	23	28.79	Aug.	22	30.27
			Apr.	23	28.61	Sept.	25	30.78

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